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(Serial)

Central Intelligence Agency United States of America

Directorate of
Intelligence

Handbook of Economic Statistics, 1982

A Reference Aid

CPAS 82-10006
September 1982

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Directorate of
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Handbook of Economic Statistics, 1982

A Reference Aid

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on 1 September 1982*

*CPAS 82-10006
September 1982*

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Handbook of Economic Statistics, 1982

Purpose and Scope

The *Handbook of Economic Statistics, 1982,* provides statistics for selected non-Communist countries and all the Communist countries.

In general, the data in the *Handbook* are for 1960, 1965, 1970, 1975, and 1977-81. Data for the Communist and non-Communist countries have been adjusted, when necessary, to achieve comparability and therefore may differ from data presented in the original sources. Footnotes have been used liberally to give definitions, exceptions, and methodology. The base year for average annual rates of growth is the year prior to the stated period.

Rounding of the Totals

The totals have been rounded, with some exceptions, to three significant digits. Because of rounding, components may not add to the totals shown. Totals are not presented if missing data are believed to represent a significant part of the total. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Symbols

The abbreviation NA *(not available)* is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation NEGL *(negligible)* is used when the magnitude of the data is less than one-half of the final unit employed for each table.

Sources

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are official data from the country cited, CIA estimates, or estimates made by other organizations. The data for the non-Communist countries are from publications of the United Nations, the Organization for Economic Cooperation and Development (OECD), publications of US Government agencies, unclassified publications of other international organizations or individual countries, or are estimates of this Office.

Terms

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, China, Albania, Cuba, Kampuchea, Laos, North Korea, Vietnam, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *European Community* includes Belgium, Denmark, France, Greece, Ireland, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany. The term *developed countries* includes the European Community, Austria, Finland, Iceland, Israel, Liechtenstein, Portugal, Malta, Norway, Spain, Sweden, Switzerland, Turkey, Australia, Canada, Japan, New Zealand, the Republic of South Africa, and the United States. The term *Organization for Economic Cooperation and Development (OECD)* includes all the developed countries, except Liechtenstein, Malta, Israel, and the Republic of South Africa.

The Big Six includes Canada, France, Italy, Japan, the United Kingdom, and West Germany. The Big Seven includes the United States and the Big Six.

Except for economic aid data, the term *less developed countries* includes the following:

- All independent countries of Africa except the Republic of South Africa.
- All independent countries of East Asia except Japan.
- All independent countries in Latin America except Cuba.
- All independent countries in the Middle East and South Asia, except Israel and Turkey.

Except for Cyprus, no country in either Eastern or Western Europe is in the LDC grouping. Except for Hong Kong, no territory that is a possession, trust, or protectorate is included in the LDC grouping.

The definition of *less developed countries* for economic aid conforms to that used by the Development Assistance Committee (DAC) of the OECD and other aid agencies and includes the following non-Communist countries:

- All independent countries of Africa except the Republic of South Africa.
- All countries of East Asia except Hong Kong and Japan.
- Malta, Portugal, and Spain in Europe.
- All independent countries in Latin America, except Cuba.
- All countries in the Middle East and South Asia.

Totals for the country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

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Gross National Product Per Capita, 1981 (in 1981 US $)

More than $10,000
Australia
Brunei
Canada
Denmark
Finland
France
Iceland
Kuwait
Liechtenstein
Nauru
Norway
Qatar
Saudi Arabia
Sweden
Switzerland
United Arab Emirates
United States
West Germany

$7,001 to $10,000
American Somoa
Austria
The Bahamas
Belgium
Bermuda
Czechoslovakia
East Germany
Faroe Islands
Gabon
Greenland
Guam
Japan
Libya
Luxembourg
Netherlands
United Kingdom

[illegible]
French Polynesia
Hungary
Ireland
Israel
Italy
Martinique
Monaco
New Caledonia
New Zealand
Poland
Singapore
Soviet Union
Spain
Trinidad and Tobago
Virgin Islands (US)

[illegible]
Argentina
Bahrain
Barbados
Bulgaria
Cyprus
Gibraltar
Greece
Guadeloupe
Hong Kong
Netherlands Antilles
Oman
Puerto Rico (US)
Reunion
Romania
San Marino
Venezuela

$1,001 to $3,000
Algeria
Andorra
Antigua and Barbuda
Belize
Brazil
Chile
China (Taiwan)
Colombia
Cook Islands
Costa Rica
Cuba
Dominican Republic
Ecuador
Falkland Islands
Fiji
French Guiana
Grenada
Guatemala
Iraq
Ivory Coast
Jamaica
Jordan
Macau
Malaysia
Malta
Mauritius
Mexico
Mongolia
Namibia
Panama
Paraguay
Peru
Portugal
South Africa
South Korea
Suriname
Syria
Tunisia
Turkey
Uruguay
Yugoslavia

[illegible]
Albania
Bolivia
Egypt
Kiribati
Lebanon
Morocco
Nicaragua
Nigeria
North Korea
Seychelles

$601 to $800
Angola
Botswana
Cameroon
Congo
El Salvador
Ghana
Guyana
Honduras
Iran
Liberia
Papua New Guinea
Philippines
St. Christopher-
  Nevis-Anguilla
Sao Tome and Principe
Swaziland
Thailand
Tonga
Vanuatu
Western Samoa
Zimbabwe

[illegible]
Cape Verde Islands
Dominica
Equitorial Guinea
Indonesia
Mauritania
North Yemen
St. Vincent and
  the Grenadines
Sri Lanka
Solomon Islands
South Yemen
Sudan
Zambia

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Afghanistan
Benin
Burma
Chad
China (Mainland)
Comoros
Djibouti
Guinea
Haiti
India
Kenya
Lesotho
Madagascar
Mozambique
Niger
Pakistan
Rwanda
Senegal
Sierra Leone
Tanzania
Togo
Tuvalu
Uganda
Western Sahara

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Bangladesh
Bhutan
Burundi
Central African Republic
Ethiopia
Guinea-Bissau
The Gambia
Kampuchea
Laos
Malawi
Maldives
Mali
Nepal
Somalia
Upper Volta
Vietnam
Zaire

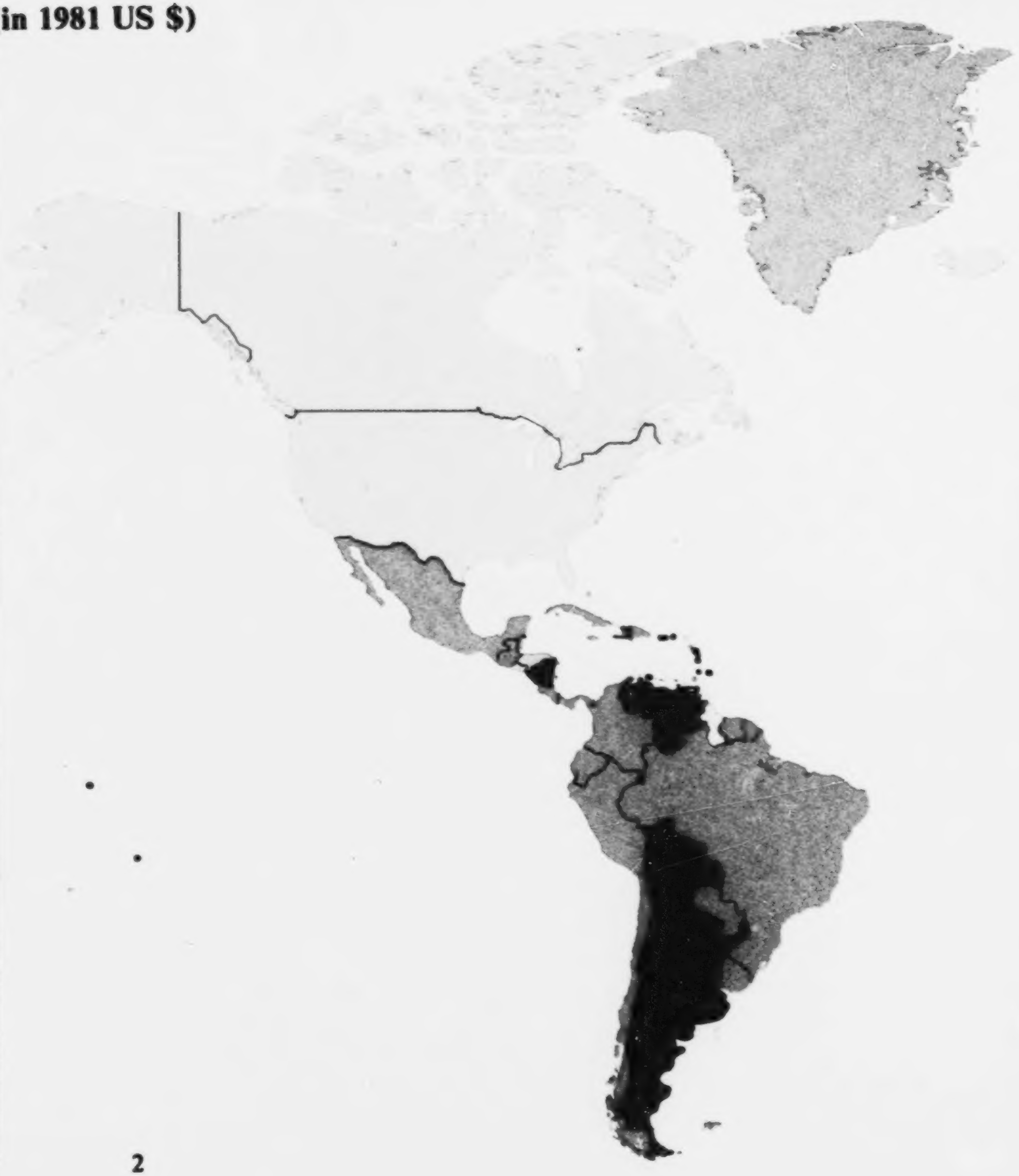

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Figure 2

World Gross National Product and Population, 1981

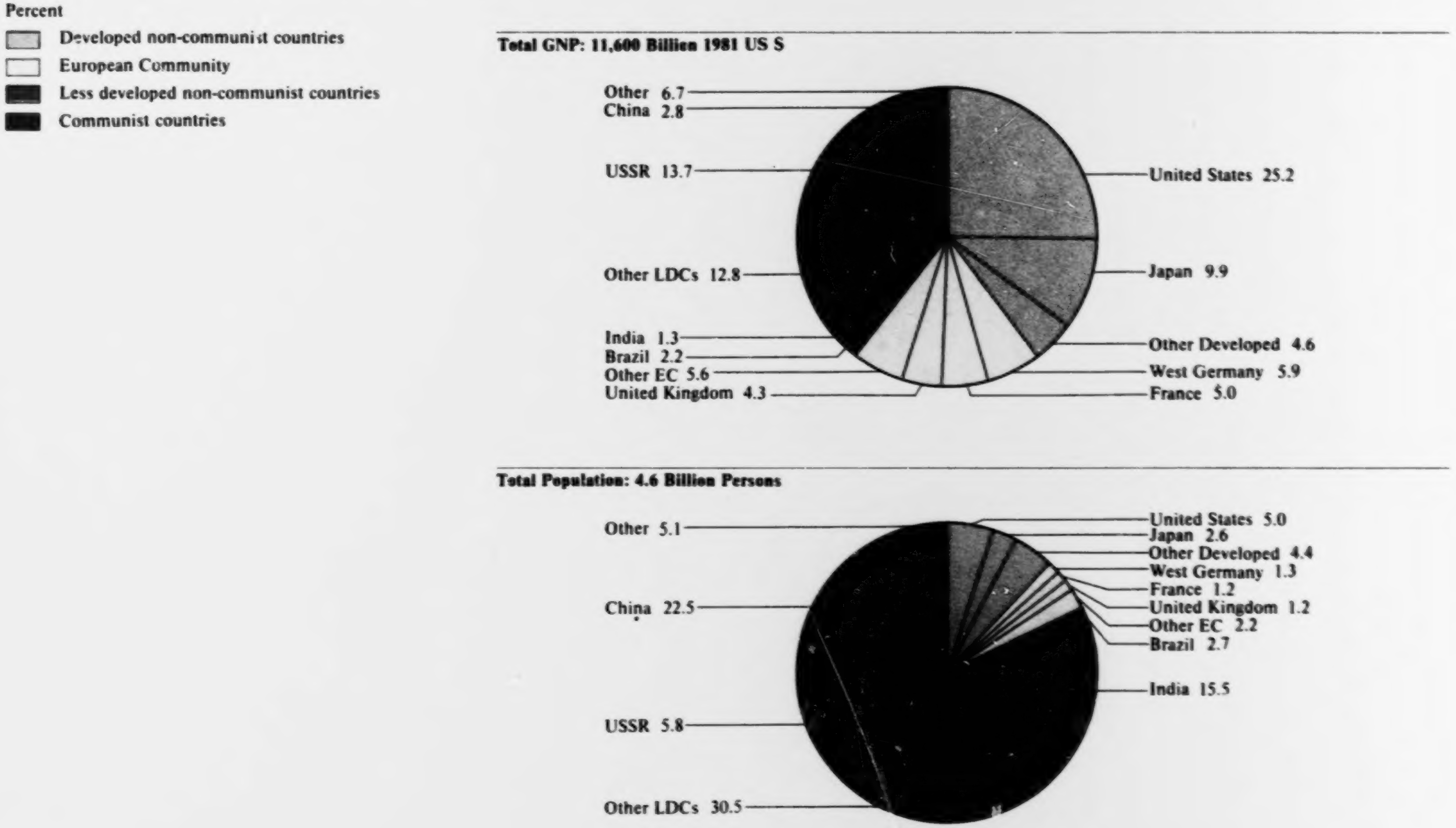

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Figure 3

Real GNP Comparisons

Average Annual Rate of Growth (Percent)

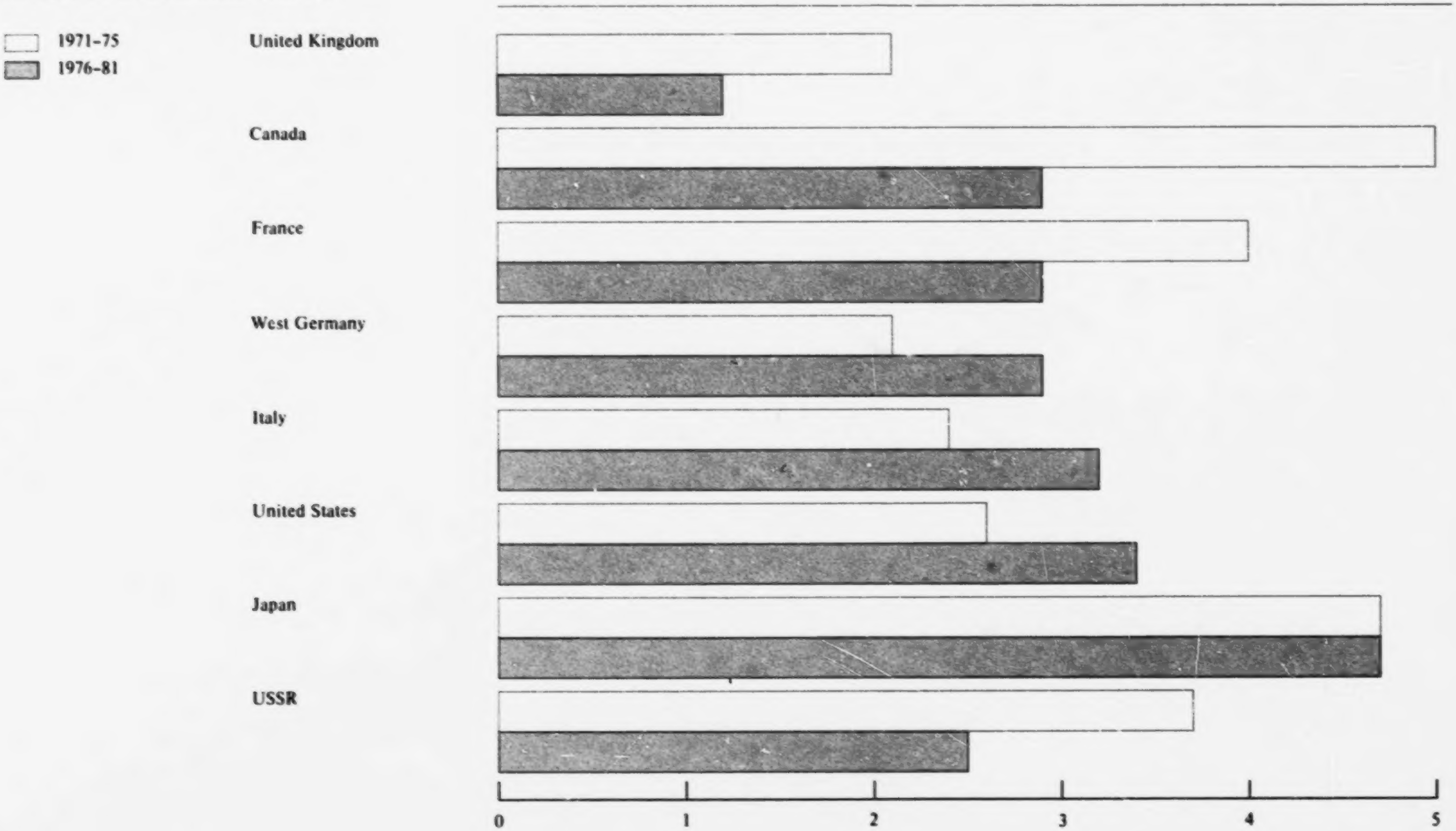

Figure 4

Real Gross National Product Trends

Average annual rate of growth (percent)

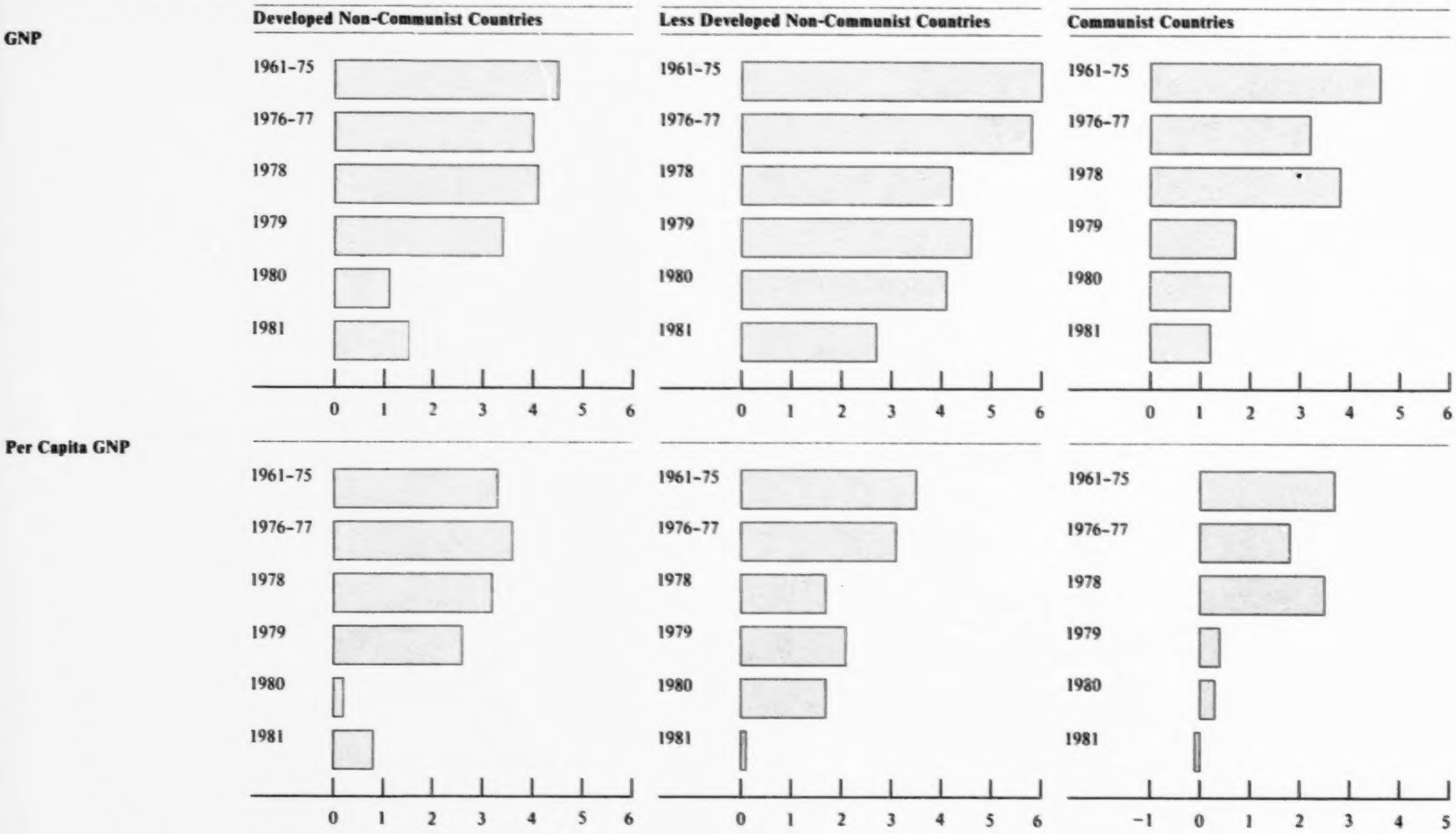

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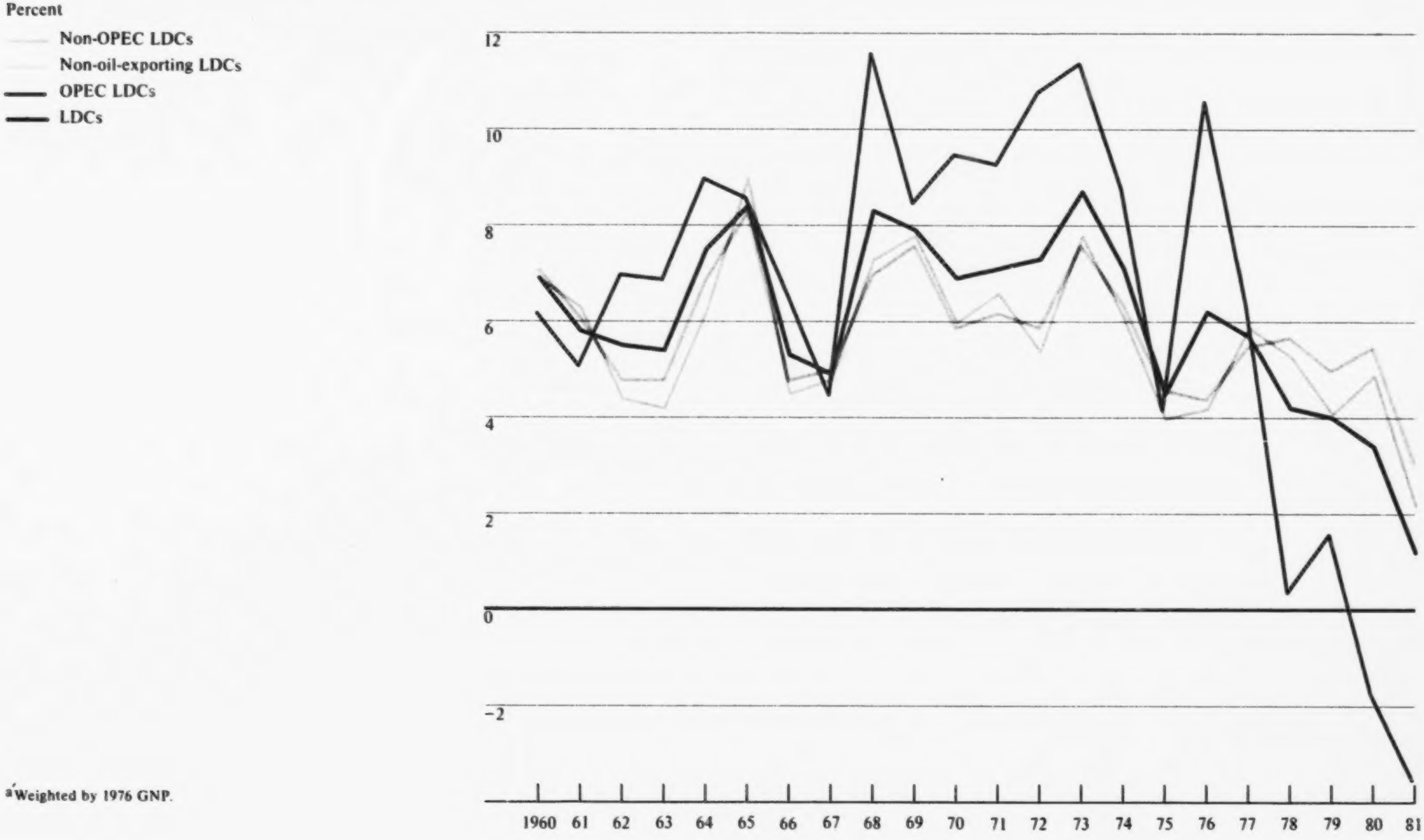
Figure 5

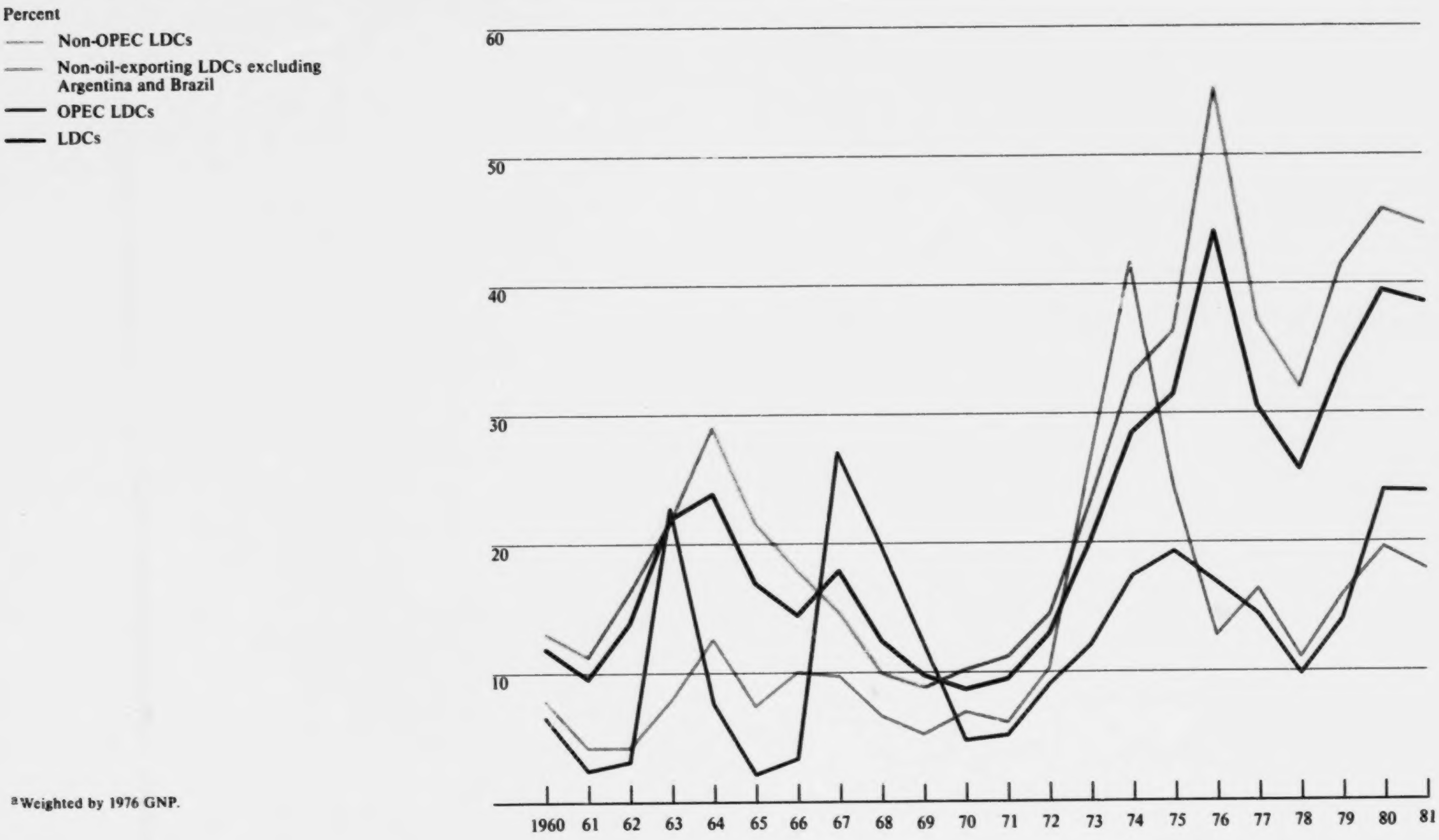
Less Developed Countries: Aggregate Real GNP Growth Rates[a]



[a] Weighted by 1976 GNP.

Figure 6

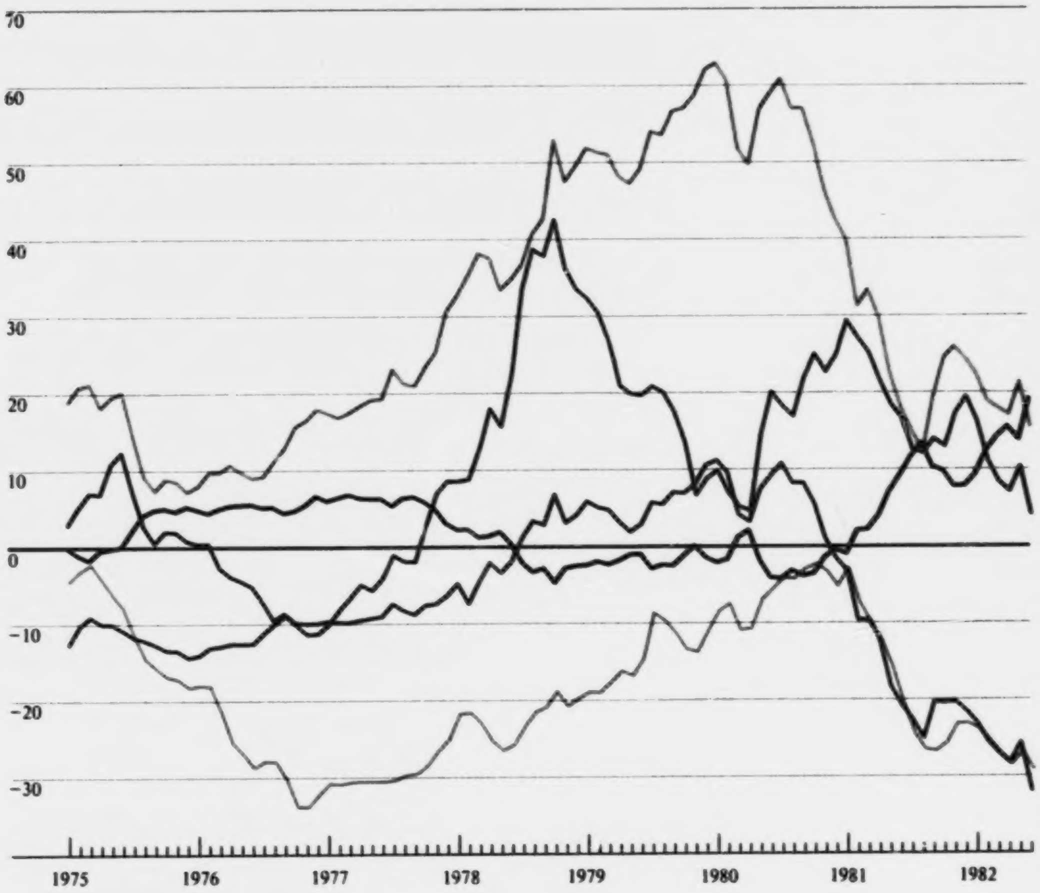
Less Developed Countries: Aggregate Inflation Rates[a]



[a] Weighted by 1976 GNP.

Figure 7

Percent Change in the Value of Selected Foreign Currencies Relative to the US Dollar[a]

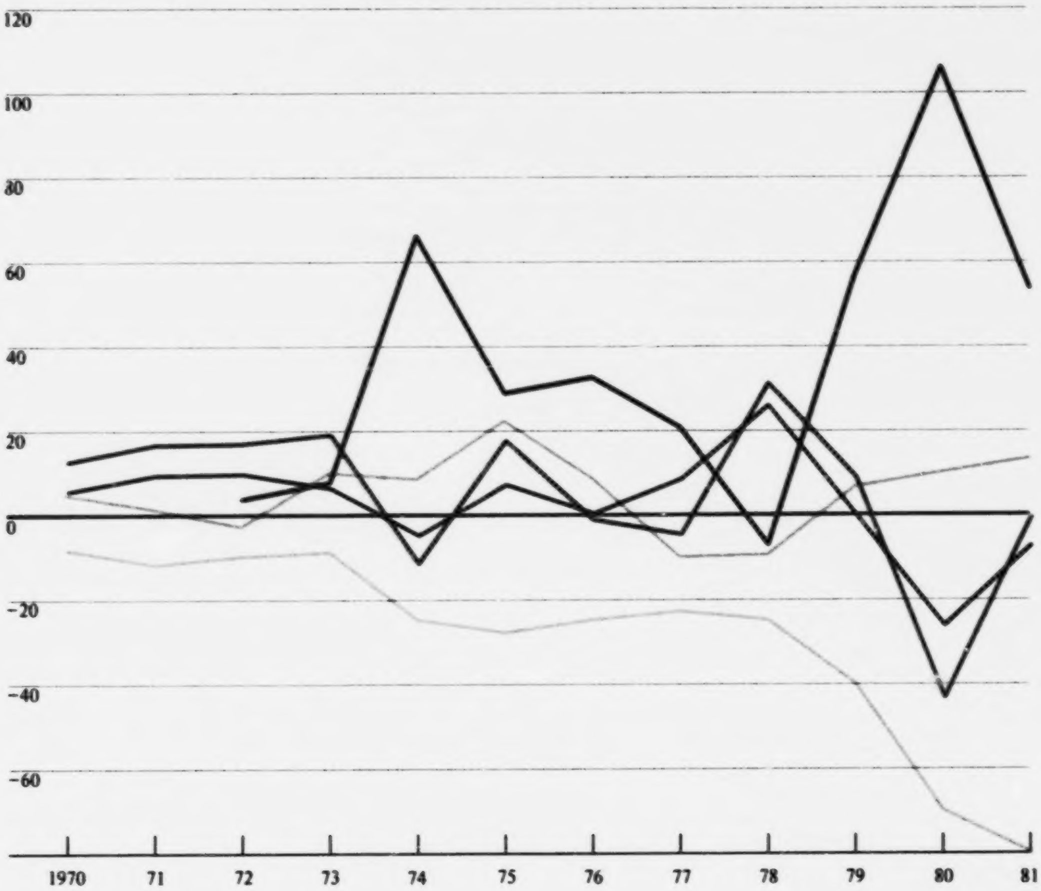


[a] Change relative to selected foreign currencies compared with March 1973.

[b] Relative to 16 major currencies, weighted by 1976 trade in manufactures.

Figure 8

Current Account Balances[a]



[a] Including goods, services, and private transfers.

[b] A consistent series for prior years is not available.

Figure 9

OPEC Countries: Estimated Current Account Balances

Billion US $

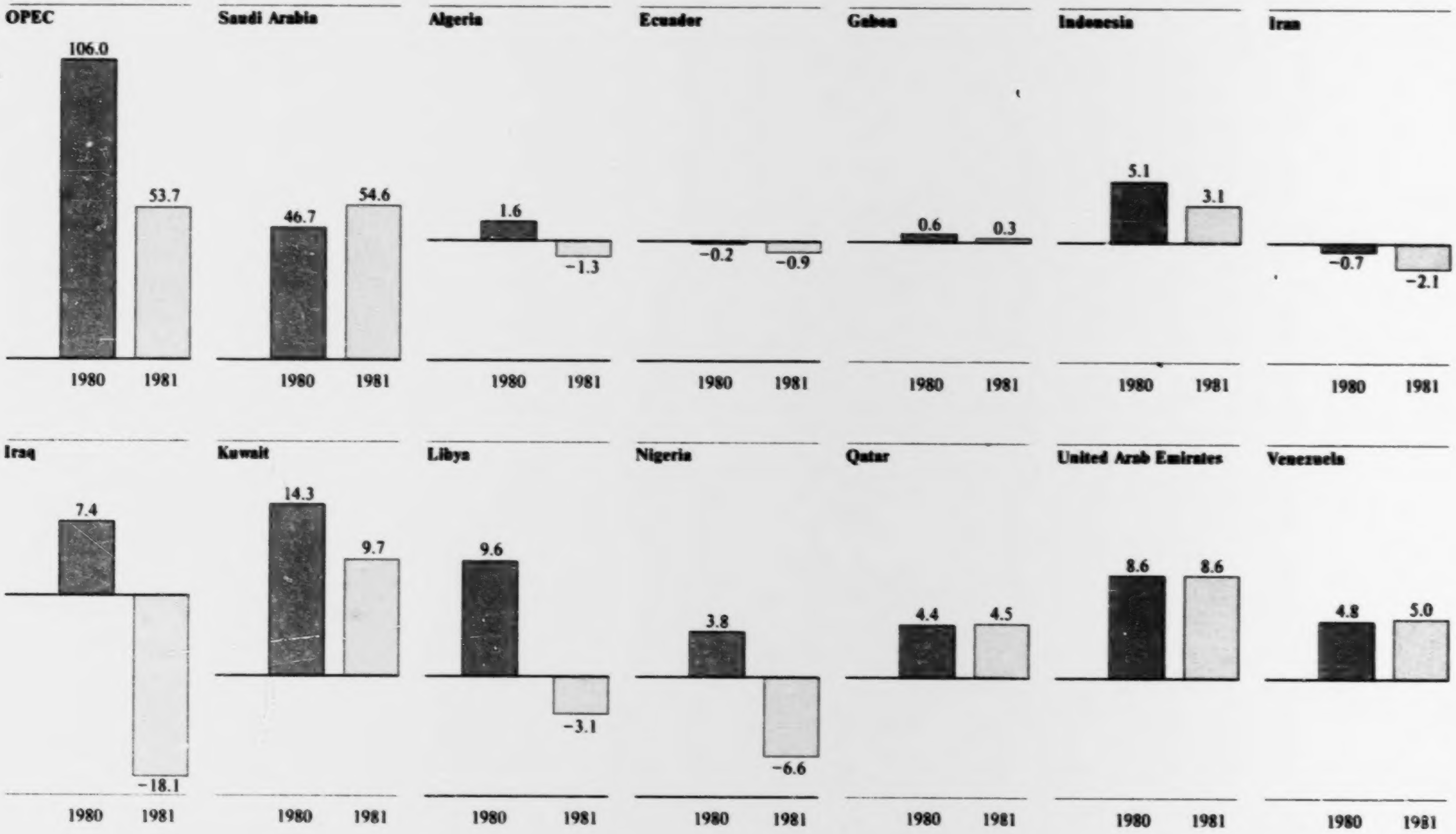


Figure 10

Non-Oil-Exporting LDCs: Current Account Deficits and Net Oil Bill

Billion US $

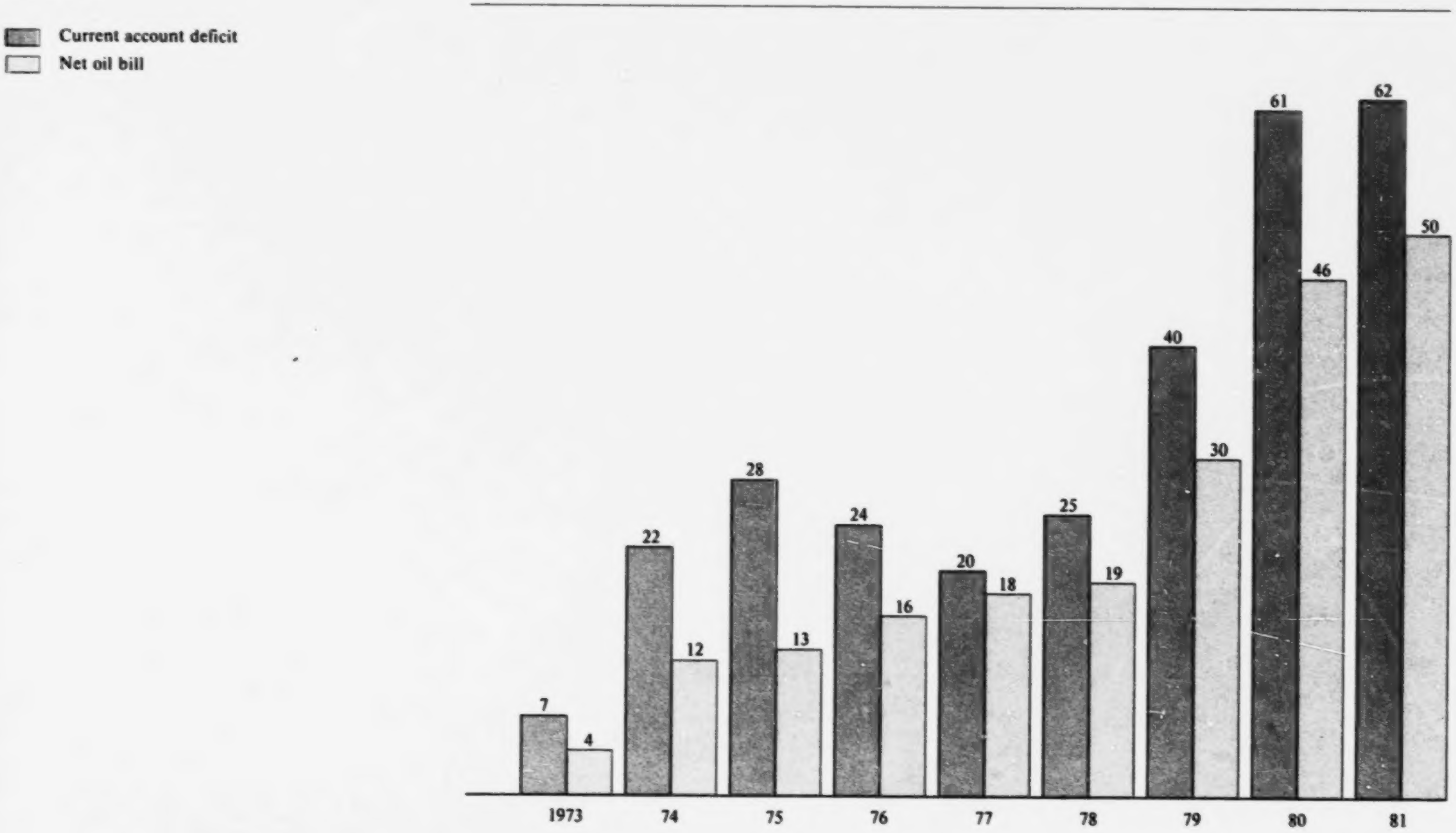


Figure 11

Government Receipts, Outlays, and Deficits as Share of GNP

Percent

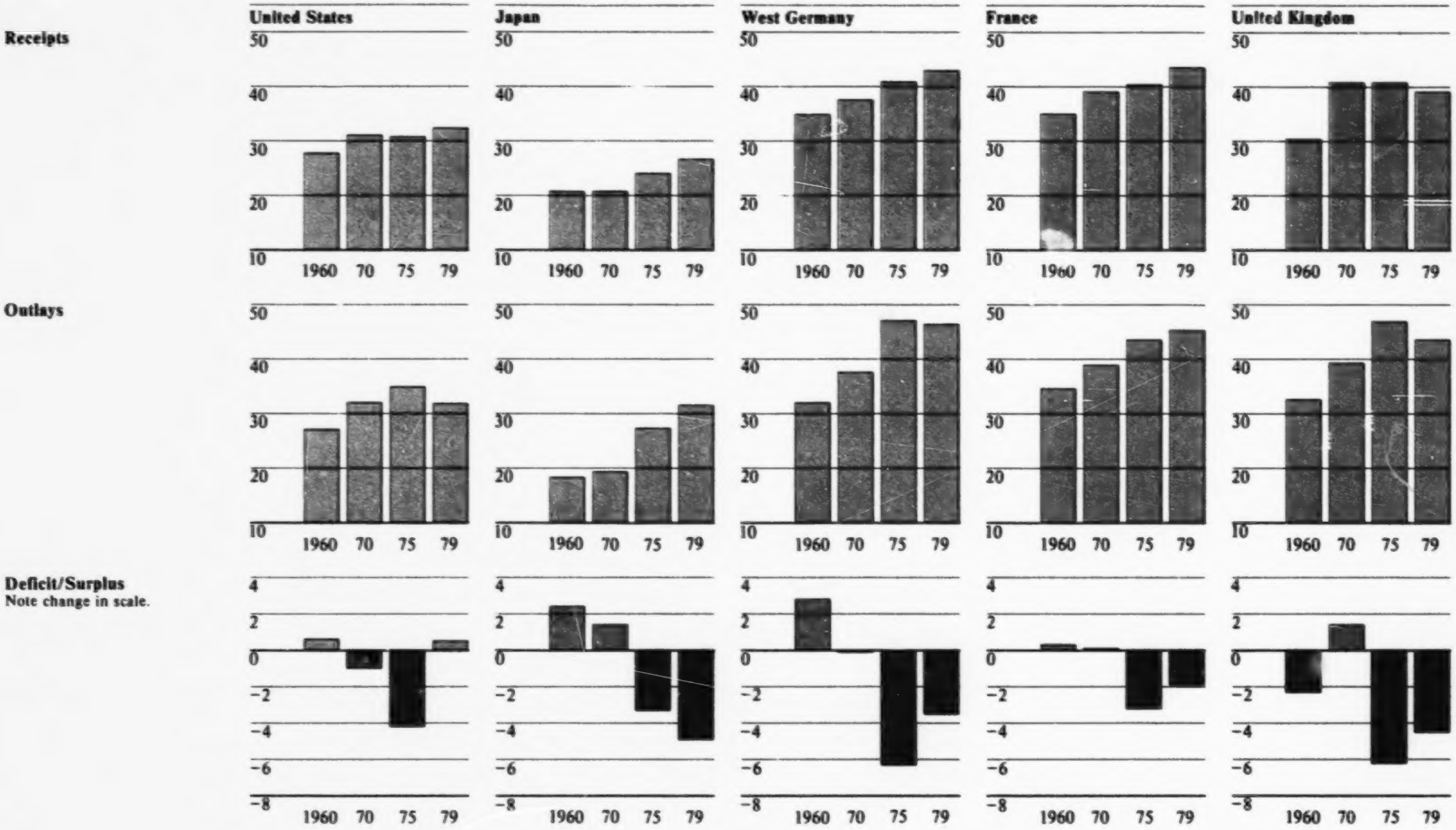


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Figure 12

Selected Industrial Countries: Comparative Tax Burden, 1979

Taxes as a Percent of GDP

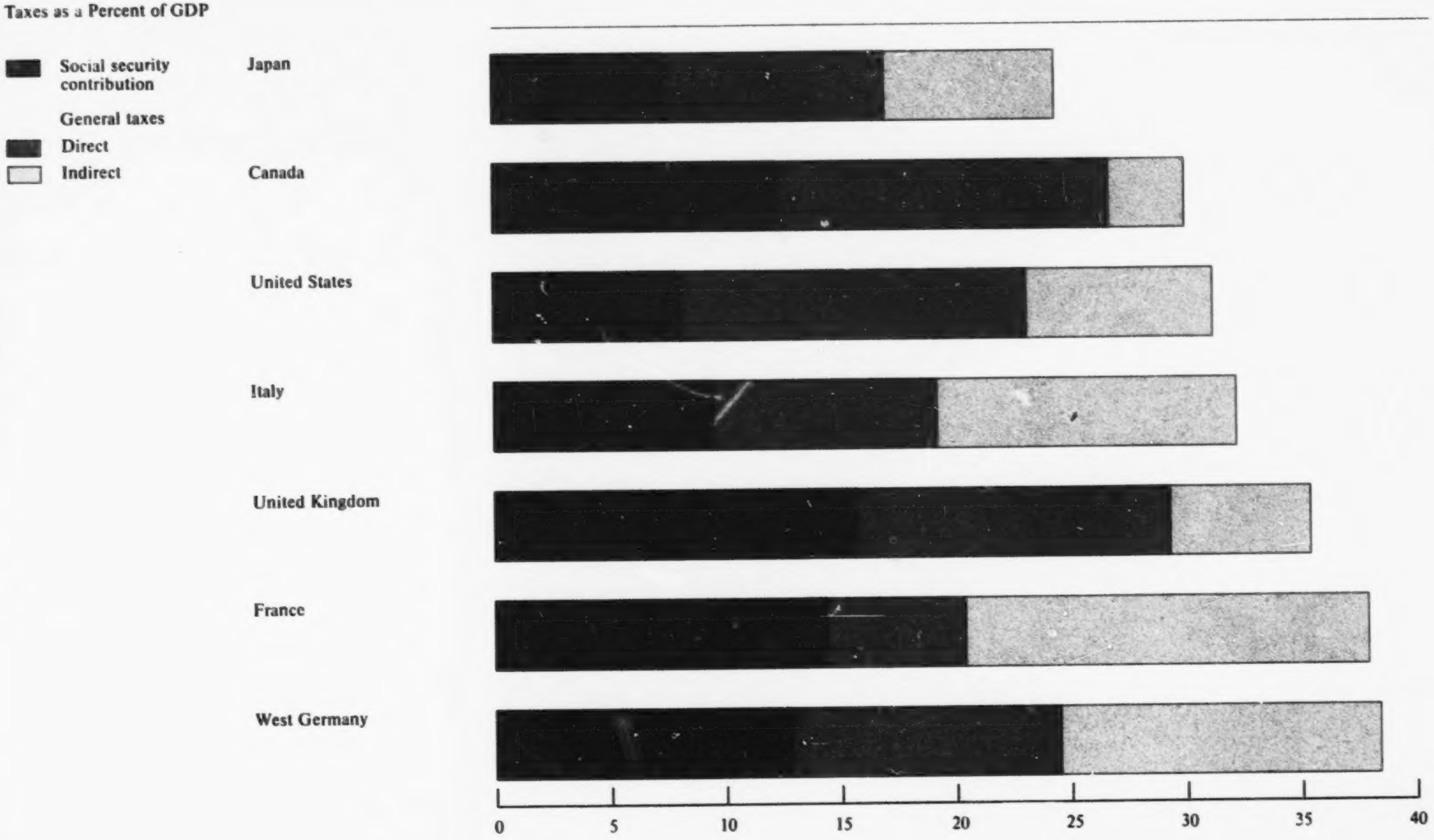


Figure 13

Selected Industrial Countries: Trends in Interest Rates

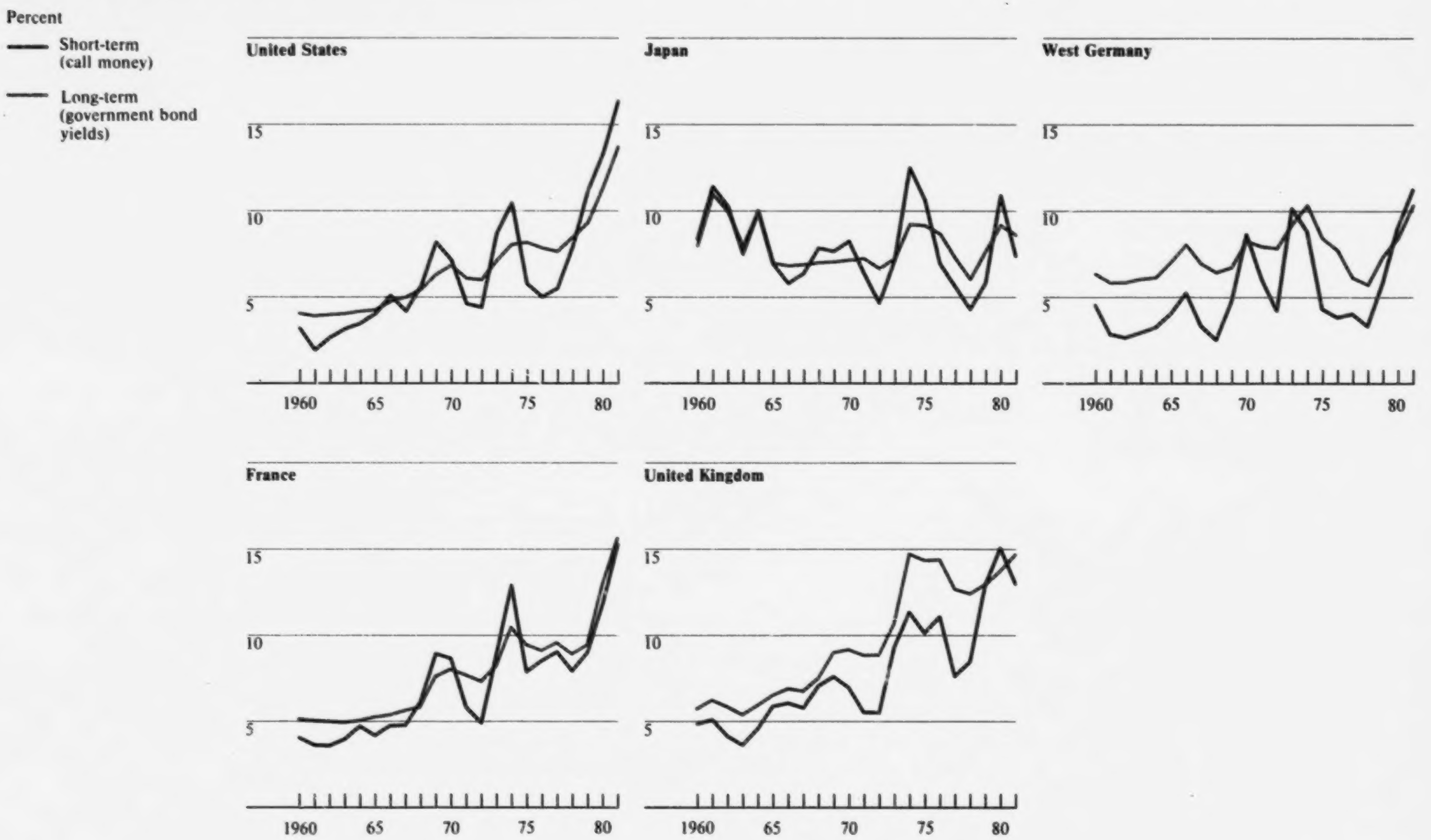
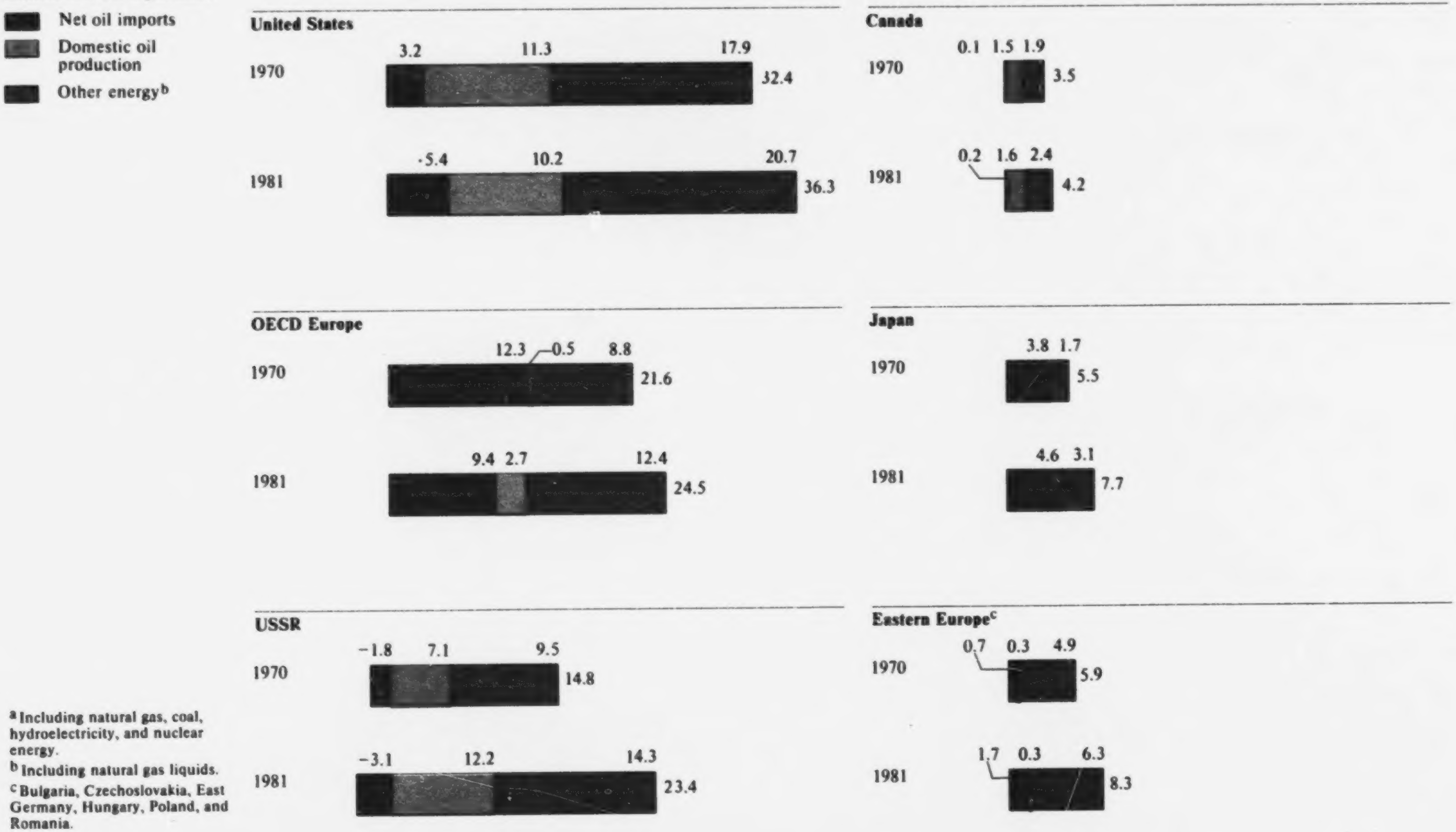


Figure 14

Oil Dependency as a Share of Total Primary Energy Demand[a]



[a] Including natural gas, coal, hydroelectricity, and nuclear energy.

[b] Including natural gas liquids.

[c] Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania.

Figure 15

Big Seven: Energy Consumption, Oil Consumption, and GNP Growth

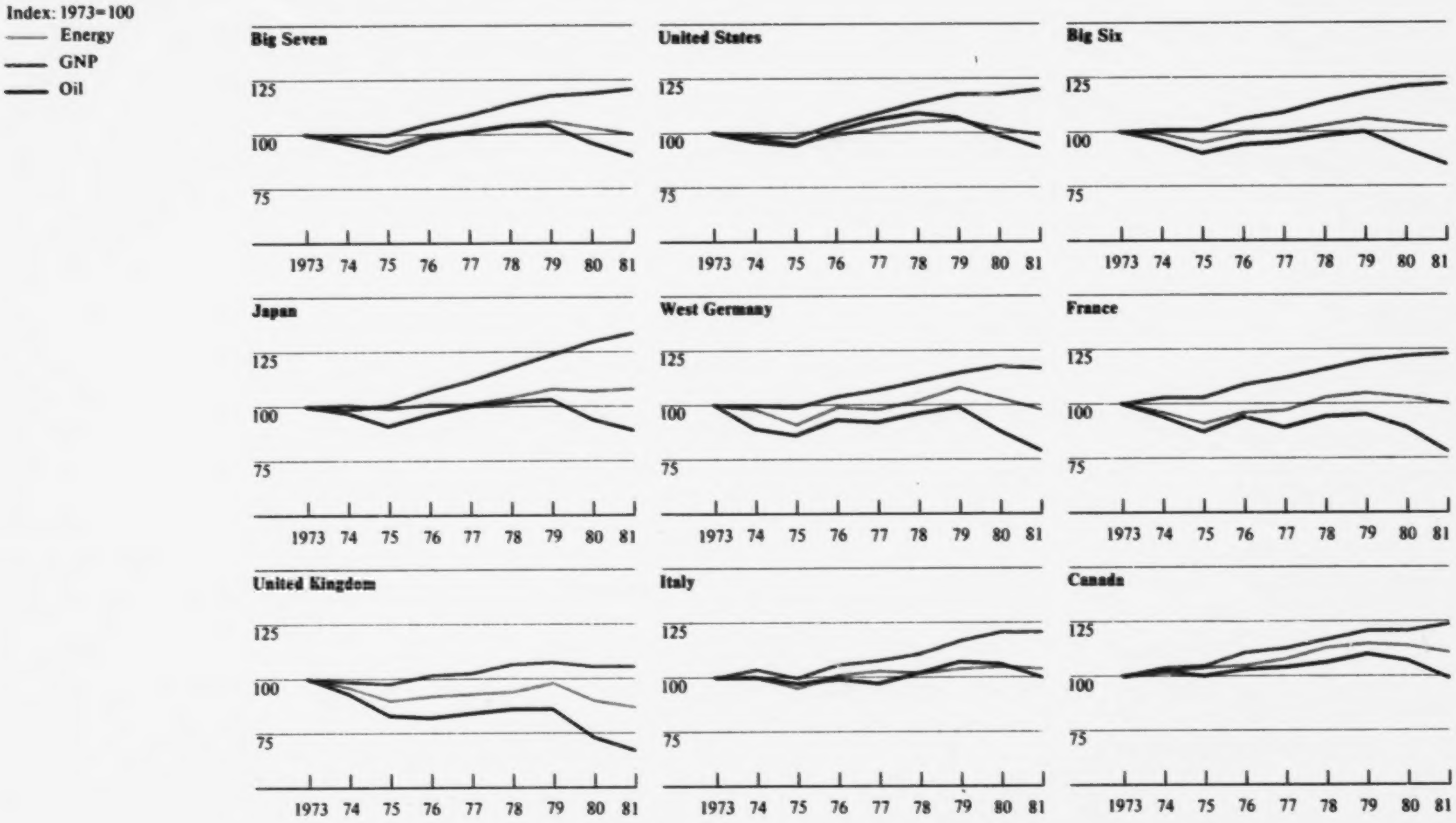


Figure 16

Major Industrial Countries: Energy Consumption by Type of Fuel

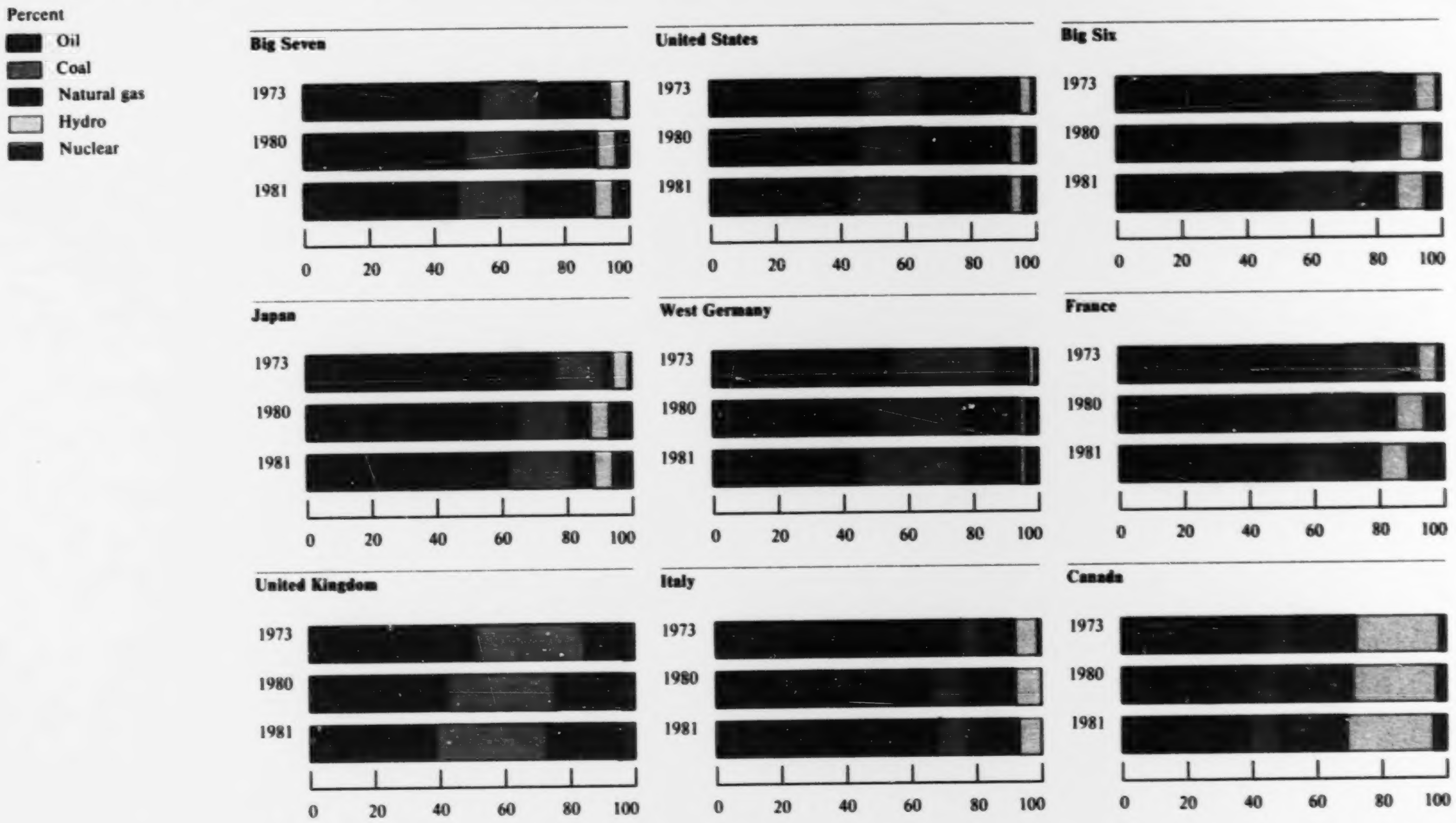


Figure 17

Minerals and Metals: Imports as a Share of Consumption, 1981

Percent

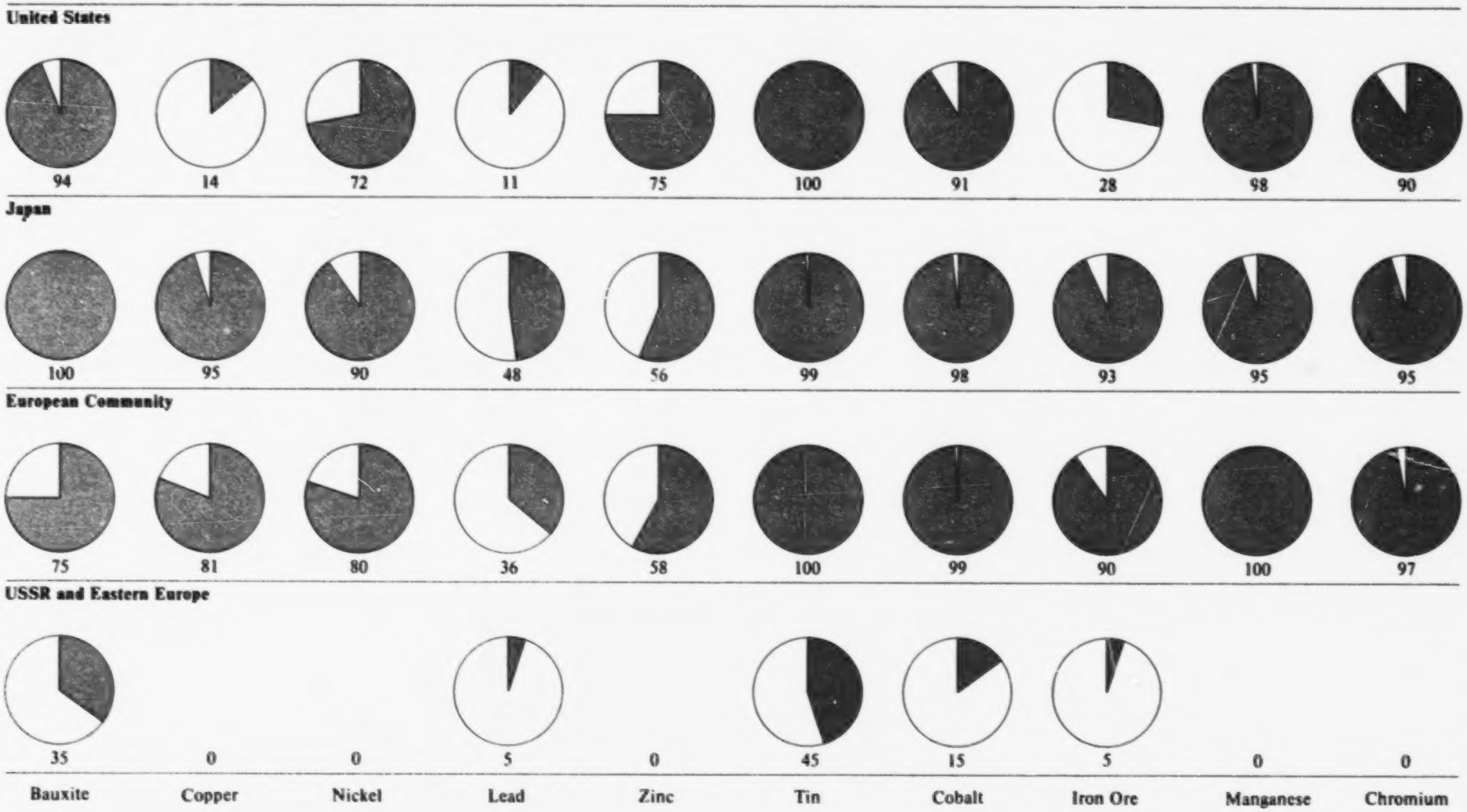


Figure 18

Major Industrial Countries: Output Growth

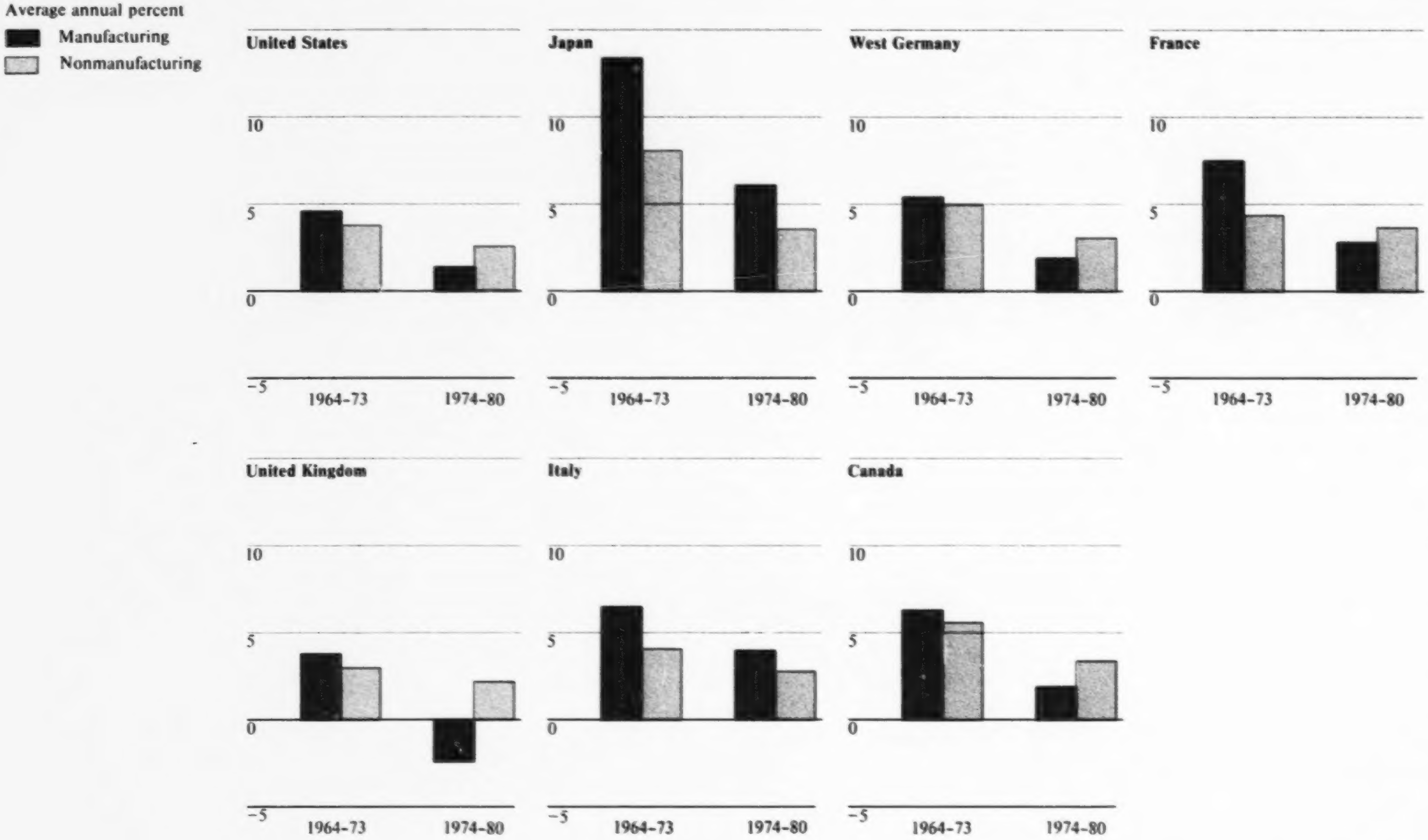
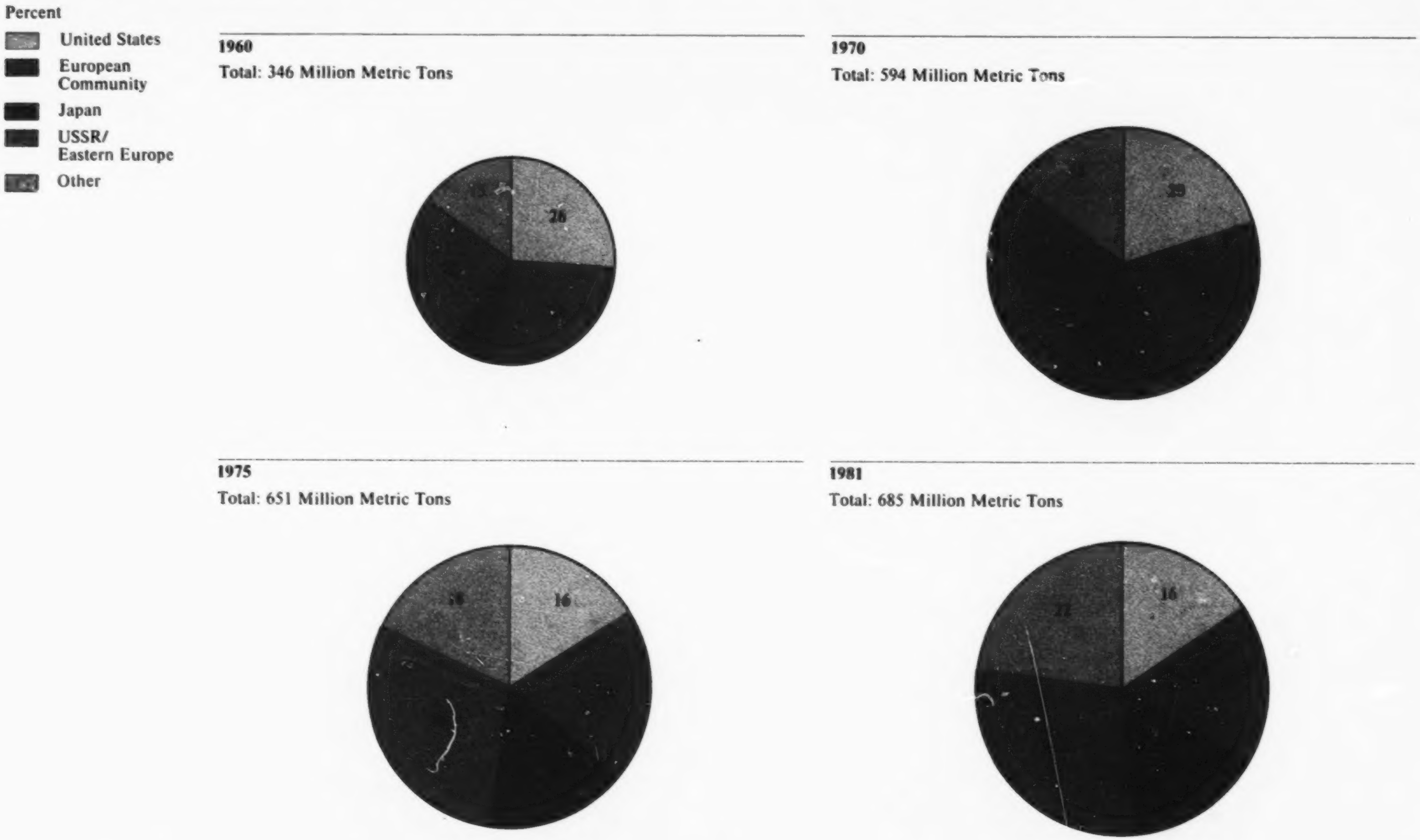


Figure 19

World Crude Steel Production



1960
Total: 346 Million Metric Tons

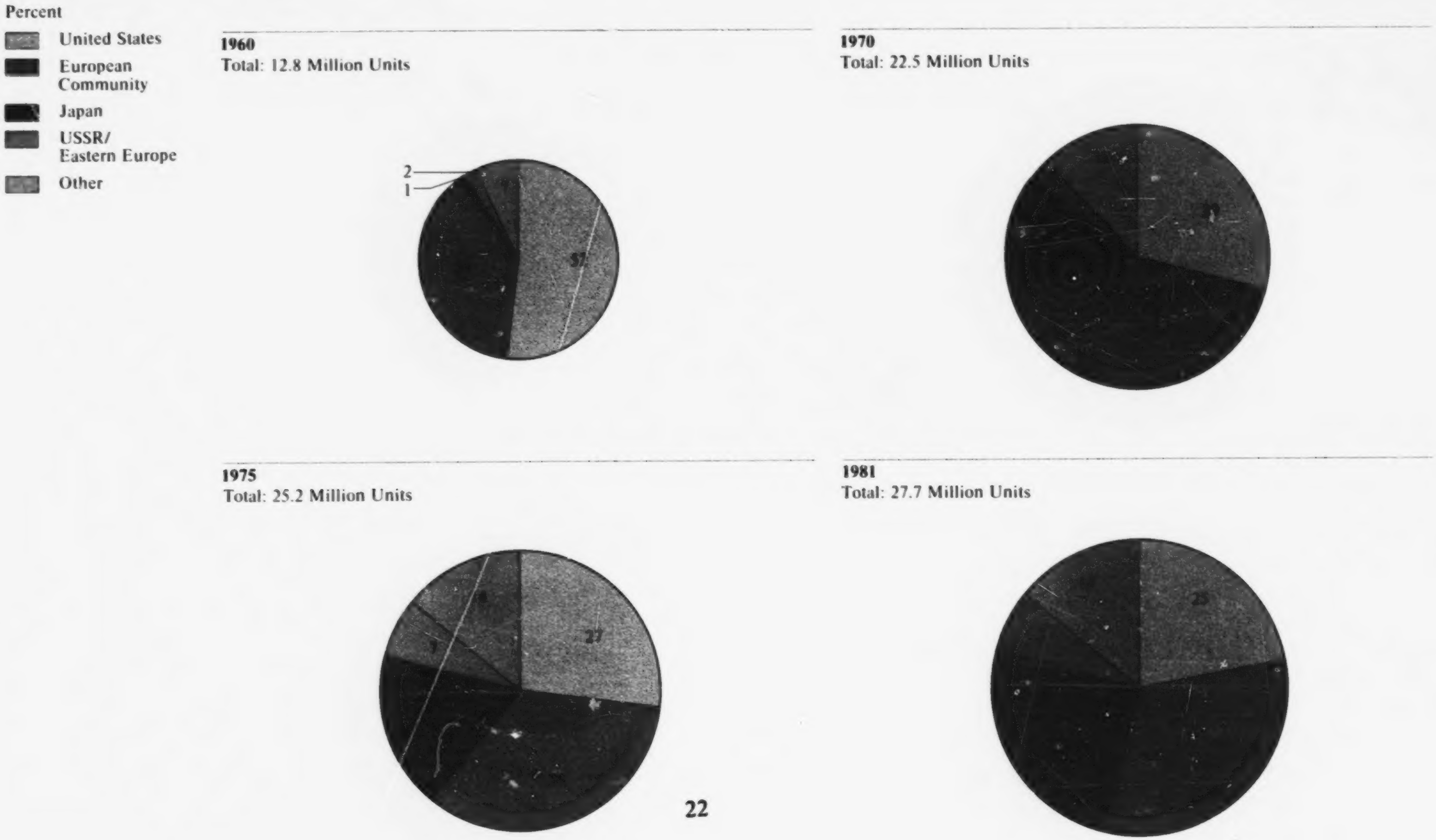
1970
Total: 594 Million Metric Tons

1975
Total: 651 Million Metric Tons

1981
Total: 685 Million Metric Tons

Figure 20

World Passenger Automobile Production



1960
Total: 12.8 Million Units

1970
Total: 22.5 Million Units

1975
Total: 25.2 Million Units

1981
Total: 27.7 Million Units

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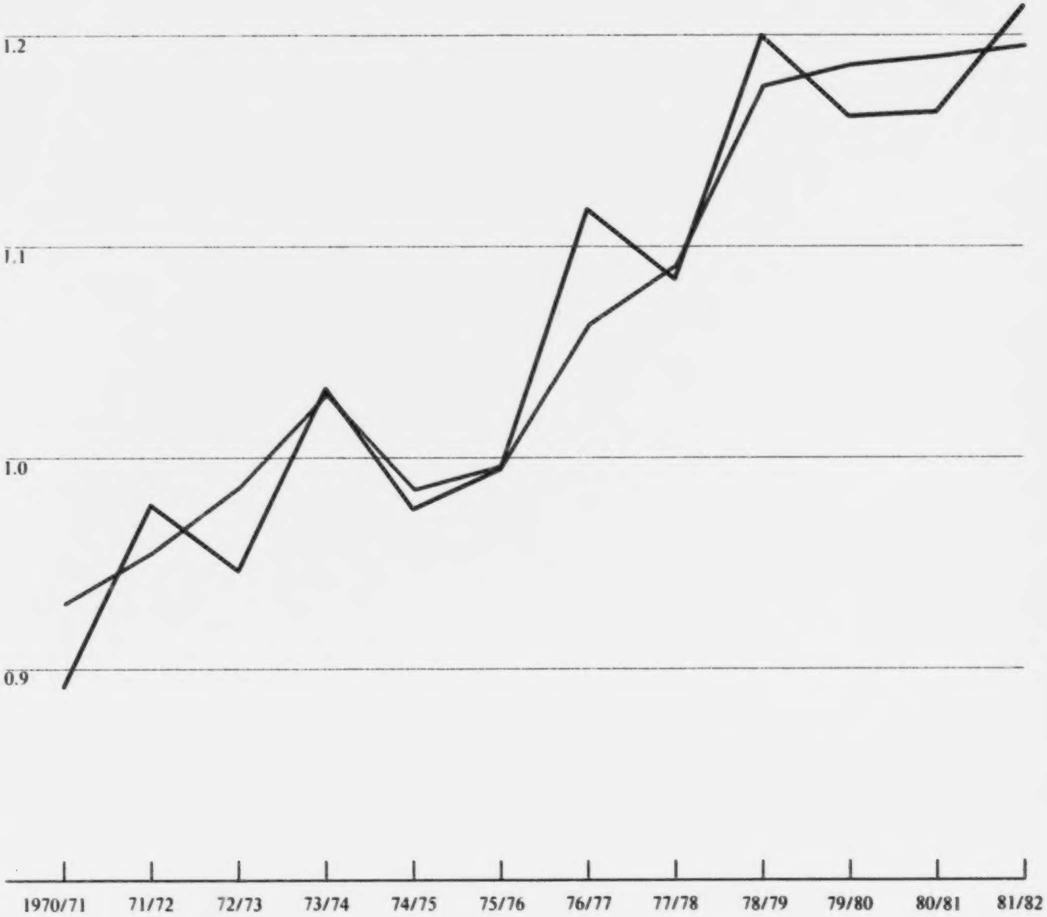
Figure 21

World Wheat and Coarse Grain[a] Supplies

Billion Metric Tons

— Production

— Consumption



[a] Includes corn, sorghum, barley, oats, millet, rye, wheat, and miscellaneous grains

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Economic Profile

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Table 1

Economic Profile: Developed Countries, 1981

	United States	Canada	Japan	European Community					
				Total	France	Italy	Netherlands	United Kingdom	West Germany
Aggregative data									
Population									
Million persons at midyear	229.8	24.2	117.6	**271.6**	54.0	57.2	14.2	56.0	61.7
Percent change from 1980	0.9	0.8	0.7	**0.3**	0.6	0.4	0.7	NEGL	0.2
Gross national product									
Billion 1981 US $ [a]	2,925.5	280.2	1,149.6	**2,420**	576.8	298.8	140.7	502.4	686.7
Percent real growth in 1981	2.0	3.0	2.9	**−0.3**	0.3	−0.2	−1.0	−0.8	−0.3
Per capita (1981 US $)	12,730	11,580	9,780	**8,910**	10,680	5,220	9,910	8,970	11,130
Industrial production (percent growth in 1981)	2.6	1.2	3.1	**NA**	−2.1	−2.7	−1.8	−5.1	−2.6
Industry									
Primary energy (million b/d oil equivalent)	32.5	4.8	1.2	**10.6**	1.4	0.5	1.4	4.4	2.4
Electricity (billion kilowatt-hours)	2,448	388	522	**1,260**	260	183	62	278	369
Crude steel (million metric tons)	108.8	14.8	101.7	**126**	21.3	24.6	5.5	15.6	41.6
Cement (million metric tons)	66.1	9.5	84.8	**143**	28.2	43.0	3.3	12.8	31.6
Trade and international reserves									
Exports, f.o.b. (billion US $)	233.7 [b]	72.6	151.5	**665.9** [c]	106.4	75.3	68.7	110.1 [c]	176.1
Imports, c.i.f. (billion US $)	273.4	69.9	142.9	**729.2** [c]	121.0	91.1	67.3	115.8 [c]	163.9
Trade balance (billion US $)	−39.7	2.8	8.6	**−63.2** [c]	−14.5	−15.8	1.4	−5.7 [c]	12.2
International reserves (billion US $)	29.7	4.4	29.2	**136**	25.6	22.8	11.1	16.0	47.6
Indicators of living standards									
Grain production (kilograms per capita)	1,451	2,010	117	**453**	881 [c]	319 [c]	91 [c]	341 [c]	364 [c]
Meat production (kilograms per capita)	107	99	25	**80**	97	59	140	53	75
Automobile registrations (units per thousand persons)	537	427 [c]	203 [c]	**318** [c]	357 [c]	310 [c]	305 [c]	276 [c]	377 [c]
Energy consumption (barrels oil equivalent per capita) [c]	59	70	24	**NA**	27	19	39	27	33
Consumer price index (percent growth in 1981)	10.3	12.5	4.9	**NA**	13.3	19.3	6.7	11.9	5.9
Telephones in use [d] (units per thousand persons)	791	656	476	**413**	414	318	486	477	434

[a] Data were converted from national currencies at average 1981 Par Rate/Market Rate factors.

[b] Excluding Department of Defense shipments.

[c] Data are for 1980.

[d] Data are for 1979.

Table 2

Economic Profile: Communist Countries, 1981

	USSR	Eastern Europe							China	Yugoslavia
		Total	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Romania		
Aggregative data										
Population										
Million persons at midyear	267.7	**109.9**	8.9	15.3	16.7	10.7	35.9	22.4	1,032.0	22.5
Percent change from 1980	0.8	**0.5**	NEGL	NEGL	NEGL	NEGL	0.8	0.9	1.4	0.9
Gross national product [a]										
Billion 1981 US $	1,587.0	**670.0**	34.0	137.2	162.9	63.7	178.0	94.7	328.0	51.8
Percent real growth in 1981	1.8	**0.9**	3.0	0.1	2.4	0.6	−6.6	1.0	3.0	2.4
Per capita (1981 US $)	5,930	**6,096**	3,820	8,970	9,750	5,950	4,960	4,230	320	2,300
Industrial production (percent growth in 1981)	2.0	**−2.0**	3.2	1.4	2.9	1.6	−14.8	1.6	4.1	4.1 [b]
Industry										
Primary energy (million b/d oil equivalent)	27.7	**6.0**	0.2	1.0	1.3	0.3	2.1	1.1	8.8	0.6
Electricity (billion kilowatt-hours)	1,325	**420**	37	73	101	24	115	70	306	60
Crude steel (million metric tons)	149.0	**57.4**	2.5	15.2	7.4	3.6	15.7	13.0	35.6	4.0
Cement (million metric tons)	127.0	**61.1**	5.4	10.6	12.2	4.6	14.2	13.9	84.0	9.8
Trade										
Exports (billion US $)	79.4	**83.9**	10.5	15.5	19.4	12.2	13.4	12.9	22.4	10.9
Imports (billion US $)	73.2	**87.0**	10.6	15.3	20.9	12.0	15.7	12.5	18.6	15.8
Trade balance (billion US $)	6.2	**−3.0**	−0.1	0.3	−1.5	0.2	−2.3	0.4	3.8	−4.9
Indicators of living standards										
Grain production (kilograms per capita)	712 [c]	**711**	897	614	531	1,180	551	837	315	673
Meat production (kilograms per capita)	57	**94**	89	107	116	144	71	80	NA	69
Automobile registrations (units per thousand persons)	31 [b]	**81** [b]	56 [b]	149 [b]	152 [b]	85 [b]	67 [b]	11 [b]	NA	108 [b]
Energy consumption (barrels oil equivalent per capita) [b]	31	**28**	28	35	40	20	26	22	NA	13
Telephones in use (units per thousand persons)	84 [c]	**115** [d]	120 [d]	201 [c]	183 [c]	111 [c]	91 [c]	59 [d]	NA	85 [c]

[a] Data were converted at US purchasing power equivalents.

[b] Data are for 1980.

[c] Data are for 1979.

[d] Data are for 1978.

Table 3

Economic Profile: Organization of Petroleum Exporting Countries, 1981

	Algeria	Ecuador	Gabon	Indonesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	United Arab Emirates	Venezuela
Aggregative data													
Population													
Million persons at midyear	19.4	8.3	0.6	154.3	40.0	13.6	1.5	3.2	79.7	0.2	9.5	1.1	17.9
Percent increase from 1980	3.1	3.1	1.3	2.1	3.1	3.3	6.2	5.4	3.3	4.0	2.8	11.3	2.8
Gross national product													
Billion 1981 US $	36.9	10.8	4.8	83.0	25.8	26.1	22.4	22.7	65.8	6.6	118.9	22.1	69.7
Percent real growth in 1981 [a]	5.0	5.0	5.0	7.0	−27.0	−30.0	5.0	−27.0	6.0	3.0	8.1	16.3	0.3
Per capita (1981 US $)	1,900	1,300	7,920	540	640	1,920	14,920	7,090	820	32,980	12,510	20,080	3,890
Industry													
Crude oil production (thousand b/d)	805	210	150	1,605	1,380	1,000	1,125 [b]	1,140	1,430	405	9,815 [b]	1,500	2,100
Share of oil in GNP (percent)	30	10	50	16	30 [c]	66 [c]	70	57	22	66	66	74	29
Trade and international reserves													
Exports f.o.b. (million US $)	11,816	2,542	2,173 [c]	22,260	9,443	10,599	17,512	15,658	19,770	5,672 [c]	113,328	20,215	21,010
Government oil revenues (million US $)	10,660	520 [c]	450	13,600	13,320	11,170	15,910	15,400	16,500	4,720	88,690	12,930	14,000
Oil exports (thousand b/d)	675	155	130	1,155	880	775	970	1,040	1,205	410	9,230	1,410	1,700
Imports c.i.f. (million US $)	10,626 [c]	2,246	673 [c]	13,272	12,473	18,704	8,554	15,466	18,564	1,423 [c]	35,268	9,823	12,439
United States (million US $)	717	855 [c]	128	1,545	300	914	976	813	1,525 [d]	157	7,327	1,077	5,330
European Community (million US $)	6,247	417 [c]	500	2,225	4,800	7,700	2,200	8,754	9,040 [d]	600	11,000	3,000	2,218
Japan (million US $)	460	275 [c]	51	4,135	1,480	927	1,644	1,068	2,190 [d]	267	5,857	1,489	907
International reserves [e] (million US $)	3,923	649	199	5,140	15,389 [f]	6,996 [g]	4,170	9,149	3,924	381	32,422	3,230	8,631

[a] Growth in GDP.

[b] Including about one-half of Neutral Zone production.

[c] Data are for 1980.

[d] Data are f.o.b.

[e] Including gold valued at SDR 35 per ounce.

[f] Data are for 1979.

[g] Data are for 1977.

Table 4

Economic Profile: Selected Less Developed Countries, 1981

	Africa				Asia					Latin America						Middle East and South Asia			
	Ivory Coast	Kenya	Morocco	Zaire	Hong Kong	Malaysia	Philippines	South Korea	China (Taiwan)	Argentina	Brazil	Chile	Colombia	Mexico	Peru	Egypt	India	Pakistan	Syria
Aggregative data																			
Population																			
Million persons at midyear	8.3	17.1	21.6	29.4	5.2	14.3	50.3	40.4	18.1	28.1	124.8	11.2	25.2	69.6	18.1	43.4	707.8	90.4	9.1
Percent increase	3.3	4.1	2.9	2.8	2.3	2.3	2.5	1.6	1.8	1.6	2.3	1.4	1.5	2.5	2.8	2.8	2.2	2.9	3.4
Gross national product																			
Billion 1981 US $	9.4	6.8	18.8	5.1	23.8	24.6	37.7	63.2	44.6	100.6	250.0	24.9	30.9	237.0	22.8	29.4	151.5	28.3	12.0
Percent real growth [a]	1.5	2.0	−1.0	1.0	8.0	7.5	2.5	7.1	6.0	−6.0	1.0	5.0	2.5	8.1	3.9	8.0	4.5	5.5	8.0
Per capita (1981 US $)	1,130	400	870	170	4,590	1,720	750	1,560	2,460	3,580	2,000	2,220	1,240	3,400	1,260	680	210	310	1,320
Industry																			
Electricity production (billion kilowatt-hours)	1.7 [b]	1.5 [c]	4.3	4.0 [c]	11.8	9.9	18.9	40.2	40.1	36.0	116.0	13.0	16.3	69.5	9.8	18.5 [b]	110.8	15.4	3.4 [c]
Agriculture																			
Grain production (million metric tons)	1.0 [b]	1.6 [b]	2.2	0.7 [b]	NEGL	1.5	12.0	7.4	3.7 [b]	32.7	38.6	1.8 [b]	2.8	20.8	1.4	7.5 [b]	137.3	17.7	3.2
Trade and international reserves																			
Exports, f.o.b. (million US $)	3,034 [b]	1,183	2,441 [b]	1,662	21,830	11,200	5,655	21,254	18,179 [b]	8,021 [b]	23,293	3,931	2,916	15,570 [b]	3,180	3,233	7,300	2,880	2,108 [b]
Imports, c.i.f. (million US $)	2,551 [b]	1,939	4,258 [b]	668	24,796	11,581	8,479	26,131	19,401 [b]	10,541 [b]	24,079	6,378	5,201	24,068	3,420	8,782 [a]	13,907	5,412	4,124 [b]
International reserves (million US $) [d]	20	234	258	166	NA	4,193	2,266	2,695	6,850	3,446	6,693	3,282	4,878	3,052 [b]	1,265	1,279	5,043	796	700

[a] Growth in GDP.

[b] Data are for 1980.

[c] Data are for 1979.

[d] Including gold valued at SDR 35 per ounce.

Table 5

Selected World Statistics [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Gross National Product (billion 1981 US $)	4,800	6,120	7,890	9,610	10,500	10,900	11,200	11,400	11,600
Population (million persons, midyear)	3,062	3,360	3,730	4,115	4,250	4,332	4,420	4,499	4,577
Agricultural production index (1975=100)	65	73	88	100	104	109	110	110	112
Exports (billion US $)	129.8	189.9	313.1	873.8	1,126.1	1,300.4	1,640.8	2,001.7	NA
Crude oil, excluding natural gas liquids (million b/d)	21.0	30.3	45.7	53.0	59.7	60.2	62.7	59.5	55.7
Natural gas (trillion cubic feet)	NA	24.5	38.1	46.5	50.3	51.8	55.5	57.0	57.0
Hard coal (million metric tons)	1,985 [b]	2,034 [b]	2,143	2,372	2,498	2,543	2,688	2,740	2,740
Brown coal and lignite (million metric tons)	640	742	793	863	927	956	974	996	1,020
Electricity (billion kilowatt hours)	2,348	3,412	5,019	6,518	7,299	7,685	7,991	8,044	8,160
Iron ore (million metric tons)	522	621	769	892	841	847	904	896	861
Bauxite (million metric tons)	27.6	37.4	57.8	75.1	81.9	79.8	87.8	88.8	86.0
Pig iron (million metric tons)	259	335	431	468	488	508	530	510	501
Crude steel (million metric tons)	346	459	594	651	673	714	745	714	704
Refined copper (thousand metric tons)	NA	6,157	7,543	8,344	8,608	8,754	8,870	8,916	9,171
Primary aluminum (million metric tons)	4.5	6.3	9.7	12.0	13.8	14.1	14.6	15.4	15.1
Smelter lead (thousand metric tons)	2,313	2,641	3,292	3,369	3,190	3,224	3,299	3,205	3,159
Refined zinc (thousand metric tons)	3,025	3,949	4,827	5,460	5,812	5,884	6,269	6,057	6,140
Primary tin (thousand metric tons)	192	200	227	226	226	242	247	248	242
Mineral fertilizer [c] (million metric tons, nutrient content)	NA	42.8	66.3	93.3	100.6	107.3	114.4	119.0	124.6
Nitrogen fertilizer [c] (million metric tons of N)	NA	16.8	30.2	42.5	47.6	51.3	55.9	59.7	62.7
Phosphate fertilizer [c] (million metric tons of P_2O_5)	NA	13.8	19.2	27.1	28.0	30.4	32.2	33.5	34.4
Potassium fertilizer [c] (million metric tons of K_2O)	NA	12.1	16.9	23.7	25.0	25.5	26.2	25.9	27.4
Synthetic fibers (thousand metric tons)	700	2,050	4,870	7,460	9,060	9,945	10,282	10,482	NA
Automobiles (thousand units)	12,800	19,100	22,500	25,220	30,430	32,380	31,360	28,880	27,720
Cement (million metric tons)	NA	449	595	750	710	711	806	760	734
Grain (million metric tons)	929	1,010	1,220	1,390	1,490	1,610	1,570	1,590	1,680
Wheat (million metric tons)	240	262	319	360	391	449	428	445	453
Coarse grain (million metric tons)	414	441	540	627	687	731	719	695	756
Rice (million metric tons)	162	166	312	358	369	386	376	400	412
Potatoes (million metric tons)	285	285	312	259	266	276	288	230	257
Sugar (million metric tons)	61.4	67.2	76.7	81.7	93.9	94.1	92.8	76.2	83.3
Coffee (thousands metric tons)	NA	5,057	3,873	4,644	4,316	4,738	4,970	4,808	5,887
Fish catch (million metric tons)	40.2	53.2	65.6	66.4	68.9	70.4	71.3	72.2	NA

Table 5 (continued)

Selected World Statistics [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Cattle (million head)	901	1,072	1,096	1,202	1,210	1,208	1,223	1,213	1,225
Hogs (million head)	519	575	594	655	703	739	763	799	778
Meat (million metric tons)	65.4	73.3	102	117	128	131	134	137	138
Milk (million metric tons)	315	342	362	392	410	416	424	427	428
Wool (thousand metric tons)	2,450	2,540	2,840	2,710	2,660	2,670	2,740	2,820	2,850
Ginned cotton (million metric tons)	10.4	12.2	11.8	11.7	13.9	13.0	14.3	14.2	15.4
Tobacco (thousand metric tons)	NA	4,581	4,675	5,445	5,541	5,743	5,399	5,129	5,289
Railroad freight (billion ton-kilometers)	3,338	4,195	5,020	5,958	6,408	6,592	6,618	NA	NA
Fishing fleet inventory (number)	NA	NA	12,889	18,940	19,940	19,969	20,408	21,523	21,781
(thousand GRT)	NA	NA	7,804	11,339	12,162	12,198	12,270	12,669	12,718
Merchant fleet inventory (number)	17,229	17,825	19,503	22,353	24,102	24,036	24,155	23,855	24,247
(million DWT)	171.6	214.1	325.1	556.4	628.8	633.4	641.3	638.1	653.0
Tanker fleet inventory (number)	3,371	3,533	4,119	5,177	5,503	5,363	5,342	5,439	5,606
(million DWT)	63.7	89.6	152.4	301.7	389.5	381.5	382.1	379.9	378.8

[a] For more detailed descriptions and definitions, refer to the respective table. Unless otherwise indicated data include China.

[b] Including brown coal at its hard coal equivalent.

[c] Fertilizer year ending 30 June of the stated year.

Table 6

Index: US Consumption = 100

Indicators of Living Standards for the US and USSR [a]

	1965	1970	1975	1977	1978	1979 [b]	1980 [b]	1981
Total consumption	**31.0**	**34.7**	**34.9**	**33.8**	**33.2**	**33.3**	**34.1**	NA
Food	43.3	52.8	56.7	52.5	53.6	53.6	53.1	NA
Soft goods	30.4	37.4	39.1	39.5	37.9	38.0	39.1	NA
Durables	7.7	10.6	14.0	13.4	12.7	13.2	15.5	NA
Services	29.4	29.1	28.7	28.2	28.0	27.9	27.8	NA
Housing	16.8	15.3	14.3	13.5	13.0	12.6	12.2	NA
Utilities	14.5	16.7	20.2	20.8	21.3	NA	NA	NA
Public transportation	128.4	186.2	250.8	249.5	251.0	NA	NA	NA
Communications	18.4	19.5	20.2	19.6	19.0	NA	NA	NA
Repair and personal care	18.7	29.1	46.6	49.1	50.4	NA	NA	NA
Recreation	48.9	50.2	45.8	41.0	41.1	NA	NA	NA
Automotive	0.6	0.6	1.0	1.3	1.5	NA	NA	NA
Health	44.0	40.1	34.5	32.8	32.5	NA	NA	NA
Education	106.2	79.6	77.0	77.0	77.9	NA	NA	NA

[a] Soviet per capita consumption as a share of US per capita consumption. Shares are the geometric mean of comparisons carried out in constant 1976 dollars and rubles. Comparisons were based on purchasing power parities (ruble/dollar ratios) calculated for 1976 from a large sample of prices of goods and services in the two countries. Relative levels for 1976 were extended backward and forward on the basis of indexes for each component in constant prices.

[b] Preliminary.

Table 7

Production of Selected Consumer Goods in the US and USSR

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Food									
Grain production [a] (kilograms per capita)									
United States [b]	1,003	944	910	1,154	1,208	1,242	1,345	1,185	1,451
USSR [c]	586	524	769	551	756	908	681	712	NA
Meat production [d] (kilograms per capita)									
United States	71	74	110	106	114	112	105	107	107
USSR	41	43	51	59	57	59	59	56	57
Persons supplied per farm worker									
United States	32	43	57	62	64	63	64	65	65
USSR	5	6	6	7	8	8	8	8	8
Transportation									
Passenger automobile production (units per hundred persons)									
United States [e]	3.69	4.79	3.19	3.11	4.18	4.12	3.74	2.81	2.71
USSR	0.06	0.09	0.14	0.47	0.49	0.50	0.50	0.50	0.50
Household equipment									
Washing machine production (units per thousand persons)									
United States [e]	18	22	20	20	23	23	22	20	19
USSR	4	15	22	13	14	14	14	14	15
Washing machines in use [f] (units per thousand persons)									
United States [g]	158	170	194	238	256	267	273	280	266
USSR	13	59	141	189	200	203	205	205	206
Refrigerator production (units per thousand persons)									
United States [e]	19	25	26	21	26	26	25	23	22
USSR	2	7	17	22	22	23	23	22	22
Refrigerators in use [f] (units per thousand persons)									
United States [g]	281	295	336	340	349	355	352	352	336
USSR	10	29	89	178	210	226	240	252	260

[a] The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

[b] Excluding corn silage and forage but including sorghum for grain.

[c] Including miscellaneous grains and pulses. Measured in bunker weight, that is gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

[d] Data are on a carcass weight, bone-in basis.

[e] Data are for factory sales and include complete units exported for assembly.

[f] As of the end of the year.

[g] Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

Table 8

Commodity Production of the US and the USSR [a]

Commodity	1960	1965	1970	1975	1977	1978	1979	1980	1981
Primary energy (million b/d of oil equivalent)									
US	21.1	24.9	30.8	30.2	30.4	30.9	32.1	32.7	32.5
USSR	9.2	13.2	17.0	21.9	24.3	25.4	26.3	27.2	27.7
Crude oil (thousand b/d)									
US	7,055	7,804	9,648	8,375	8,245	8,707	8,533	8,595	8,568
USSR	2,943	4,835	6,976	9,570	10,700	11,150	11,405	11,700	11,800
Natural gas (trillion cubic feet)									
US	12.8	16.0	21.9	20.1	20.0	20.0	20.5	20.4	20.4
USSR	1.6	4.5	7.0	10.2	12.2	13.1	14.4	15.4	16.4
Hard coal (million metric tons)									
US	391.5	475.3	550.4	576.2	606.2	577.1	670.9	710.4	697.6
USSR	355.9	397.6	432.7	485.0	503.0	501.0	497.0	493.0	487.0
Brown coal and lignite (million metric tons)									
US	2.5	4.6	7.2	17.7	26.2	30.9	38.0	42.3	46.4
USSR	134.2	147.4	144.7	160.0	160.0	163.0	161.0	160.0	155.0
Electricity (billion kilowatt-hours)									
US	893.7	1,229.6	1,742.7	2,131.1	2,361.7	2,436.0	2,472.1	2,437.8	2,448.0
USSR	292.3	506.7	740.9	1,038.6	1,150.1	1,201.9	1,238.2	1,293.9	1,325.0
Iron ore (million metric tons)									
US	90.2	88.8	91.2	80.1	56.6	82.9	87.1	70.7	75.5
USSR	105.9	153.4	197.1	234.7	241.9	246.2	241.7	245.0	242.0
Bauxite (thousand metric tons)									
US	2,030	1,680	2,125	1,800	2,013	1,669	1,821	1,559	1,510
USSR	3,100	5,300	6,700	8,000	8,500	8,800	9,000	9,100	9,100
Pig iron (million metric tons)									
US	62.2	82.6	83.0	72.5	73.9	79.6	78.9	62.3	67.3
USSR	46.8	66.2	85.9	103.0	107.4	110.7	109.0	107.0	108.0
Crude steel (million metric tons)									
US	90.1	119.3	119.3	105.8	113.7	124.3	123.7	101.5	108.8
USSR	65.3	91.0	115.9	141.3	146.7	151.5	149.0	148.0	149.0
Refined copper (thousand metric tons)									
US	1,650	1,973	2,074	1,632	1,707	1,869	2,014	1,726	2,026
USSR	475	700	1,015	1,320	1,400	1,460	1,500	1,520	1,530

Table 8 (continued)

Commodity Production of the US and the USSR [a]

Commodity	1960	1965	1970	1975	1977	1978	1979	1980	1981
Primary aluminum (thousand metric tons)									
US	1,827	2,498	3,607	3,519	4,118	4,358	4,557	4,654	4,489
USSR	620	970	1,490	2,130	2,270	2,330	2,410	2,460	2,475
Lead (thousand metric tons)									
US	347	379	605	577	549	565	576	550	500
USSR	300	385	470	540	575	580	585	600	600
Refined zinc (thousand metric tons)									
US	788	978	866	450	454	441	525	370	345
USSR	360	475	690	820	860	875	890	900	900
Gold (million troy ounces)									
US	1.7	1.7	1.7	1.0	1.1	1.0	1.0	1.0	1.3
USSR	3.6	5.3	7.0	8.3	9.2	9.5	9.9	10.2	10.4
Synthetic ammonia (million metric tons of N)									
US	3.6	6.6	10.3	12.2	13.0	12.8	13.8	14.7	14.2
USSR	1.1	3.1	6.3	9.9	10.7	11.5	12.3	13.8	14.6
Mineral fertilizer (million metric tons, nutrient content)									
US [b]	7.4	10.6	14.8	17.1	19.2	19.0	20.9	22.5	23.2
USSR	3.3	7.4	13.1	22.0	23.5	23.7	22.1	24.8	26.0
Nitrogen fertilizer (million metric tons of N)									
US [b]	2.5	5.1	7.6	8.5	9.8	9.5	10.1	11.2	11.8
USSR	1.0	2.7	5.4	8.5	9.1	9.3	9.2	10.2	10.9
Plastics (million metric tons)									
US	2.8	5.3	9.7	10.2	11.2	12.4	13.9	12.8	13.1
USSR	0.3	0.8	1.7	2.8	3.3	3.5	3.5	3.6	4.1
Synthetic rubber (million metric tons)									
US	1.5	1.8	2.2	2.0	2.7	2.7	2.7	2.2	2.2
USSR	0.3	0.6	0.9	1.4	1.7	1.8	1.9	1.9	1.9
Woven cotton fabrics									
US (billion linear meters)	8.6	8.4	5.7	3.7	4.0	3.7	3.5	3.4	3.6
USSR (billion square meters)	4.8	5.5	6.2	6.6	6.8	7.0	7.0	7.1	7.2
Tractors (thousands)									
US	178.5	271.8	191.7	232.0	226.3	197.3	222.4	155.4	151.0
USSR	238.5	354.5	458.5	550.4	569.1	576.1	555.0	559.0	NA

Table 8 (continued)

Commodity Production of the US and the USSR [a]

Commodity	1960	1965	1970	1975	1977	1978	1979	1980	1981
Automobiles (millions)									
US	6.7	9.3	6.5	6.7	9.2	9.2	8.4	6.4	6.2
USSR	0.1	0.2	0.3	1.2	1.3	1.3	1.3	1.3	1.3
Trucks and buses (millions)									
US	1.2	1.8	1.7	2.3	3.4	3.7	3.0	1.7	1.7
USSR	0.4	0.4	0.6	0.8	0.8	0.8	0.9	0.9	0.9
Cement (million metric tons)									
US	56.1	65.1	67.4	61.8	71.4	76.2	76.6	69.8	66.1
USSR	45.5	72.4	95.2	122.1	127.1	127.0	123.0	125.0	127.0
Grain (million metric tons)									
US	181.3	183.5	186.7	249.2	265.9	276.5	302.8	269.7	333.4
USSR	125.6	121.1	186.8	140.1	195.7	237.4	179.3	189.1	NA
Wheat (million metric tons)									
US	36.9	35.8	36.8	57.9	55.7	48.3	58.1	64.5	76.0
USSR	64.3	59.7	99.7	66.2	92.2	120.8	90.3	98.2	NA
Coarse grain (million metric tons)									
US	141.9	144.2	146.1	185.5	205.7	222.1	238.8	198.6	248.9
USSR	61.1	60.8	85.8	71.9	101.3	114.5	86.6	88.3	NA
Potatoes (million metric tons)									
US	11.7	13.1	14.8	14.6	16.1	16.6	15.5	13.6	13.9
USSR	84.4	88.7	96.8	88.7	83.6	86.1	91.0	67.0	72.0
Sugar (million metric tons)									
US	3.6	4.9	5.3	6.0	5.8	5.1	5.4	5.3	5.6
USSR	6.9	12.0	11.1	11.3	13.1	13.3	11.6	11.0	10.3
Meat (million metric tons)									
US	12.8	14.3	22.5	23.0	25.1	25.0	23.6	24.3	24.5
USSR	8.7	10.0	12.3	15.0	14.7	15.5	15.5	15.0	15.2
Milk (million metric tons)									
US	53.7	56.3	53.3	52.3	55.6	55.1	56.0	58.3	60.2
USSR	61.7	72.6	83.0	90.8	94.9	94.7	93.3	90.9	88.5
Ginned cotton (thousand metric tons)									
US	3,107	3,260	2,219	1,808	3,133	2,364	3,185	2,422	3,426
USSR	1,458	1,925	2,343	2,674	2,978	2,890	3,115	3,387	3,264

[a] For more detailed definitions, exceptions, and methodology refer to the commodity tables.

[b] Fertilizer year ending 30 June of the stated year.

Aggregative Trends

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Table 9

Billion 1981US $

Estimated Gross National Product at Market Prices [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
World	**4,800**	**6,120**	**7,890**	**9,610**	**10,500**	**10,900**	**11,200**	**11,400**	**11,600**
Developed countries	**3,020**	**3,940**	**4,960**	**5,820**	**6,350**	**6,610**	**6,840**	**6,920**	**7,020**
United States	1,428.0	1,800.2	2,102.9	2,390.1	2,657.0	2,783.4	2,872.7	2,868.3	2,925.5
Australia	68.2	86.4	113.3	135.0	141.2	145.6	149.8	153.4	158.0
Canada	111.2	146.2	184.8	236.2	254.4	263.9	271.9	272.0	280.2
Japan	238.9	406.9	693.5	870.8	965.7	1,015.2	1,071.8	1,117.2	1,149.6
Spain	62.6	95.4	129.0	168.8	179.6	184.4	185.5	187.7	189.8
Sweden	60.9	78.2	95.7	109.1	108.2	109.7	114.2	115.8	114.9
Switzerland	52.2	67.3	83.9	87.1	89.2	89.6	92.1	95.7	97.5
European Community	**1,170**	**1,480**	**1,830**	**2,090**	**2,250**	**2,320**	**2,400**	**2,430**	**2,420**
Belgium	43.6	55.9	71.4	84.9	90.4	93.3	95.1	96.9	95.7
France	232.8	314.9	400.3	486.9	527.7	547.3	566.2	575.1	576.8
Italy	128.2	164.7	220.0	247.9	267.5	274.6	288.0	299.4	298.8
Netherlands	64.8	82.3	107.2	124.6	134.8	137.6	140.7	142.1	140.7
United Kingdom	319.2	373.5	422.3	468.5	491.7	508.0	515.2	506.4	502.4
West Germany	329.9	418.6	521.6	577.9	625.7	648.4	676.6	688.7	686.7
Less developed countries	**603**	**790**	**1,060**	**1,450**	**1,630**	**1,700**	**1,770**	**1,850**	**1,900**
Brazil	49.3	73.5	106.3	178.0	203.3	215.5	229.3	247.5	250.0
India	80.6	92.9	117.7	132.9	133.9	141.8	135.4	145.0	151.5
Mexico	59.3	83.7	116.8	160.4	172.8	187.2	204.5	221.6	237.0
South Korea	12.0	16.4	26.8	42.3	53.2	59.2	62.9	59.0	63.2
OPEC	**145**	**193**	**259**	**395**	**460**	**491**	**506**	**515**	**511**
Iran	20.4	27.6	47.8	78.1	84.6	69.4	52.7	35.3	25.8
Nigeria	20.5	26.4	27.6	40.2	47.2	49.5	53.2	57.3	60.8
Saudi Arabia	14.2	22.7	37.8	68.9	86.2	91.0	99.1	110.0	118.9
Venezuela	25.4	36.2	45.9	58.2	67.4	70.0	68.9	69.5	69.7
Communist countries	**1,180**	**1,400**	**1,860**	**2,330**	**2,480**	**2,580**	**2,620**	**2,660**	**2,690**
USSR and Eastern Europe	**1,050**	**1,230**	**1,620**	**2,010**	**2,140**	**2,200**	**2,220**	**2,240**	**2,260**
USSR [b]	687.0	819.8	1,129.0	1,392.0	1,477.0	1,527.8	1,539.7	1,558.3	1,587.0
Eastern Europe [c]	**359**	**408**	**490**	**618**	**655**	**674**	**681**	**677**	**670**
Bulgaria	19.8	19.4	24.8	31.2	32.0	32.7	34.0	33.0	34.0
Czechoslovakia	79.0	88.9	105.3	124.2	131.4	133.6	134.8	137.1	137.2
East Germany	88.5	102.3	119.4	141.5	148.6	151.3	155.4	159.1	162.9
Hungary	34.5	41.8	48.6	57.1	60.9	62.5	62.9	63.3	63.7

Table 9 (continued)

Billion 1981US $

Estimated Gross National Product at Market Prices [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Poland	89.8	111.9	136.1	186.5	194.7	201.6	198.2	190.6	178.0
Romania	47.3	43.9	55.9	77.3	87.8	91.9	95.4	93.8	94.7
Other									
China	NA	120.0	179.0	234.9	247.9	278.6	298.0	318.5	328.0
North Korea	4.5	7.1	9.4	15.4	15.0	16.1	16.7	17.3	17.7
Yugoslavia	16.8	22.6	29.0	38.3	43.1	45.9	49.1	50.6	51.8

[a] Data for the non-Communist countries were converted from national currencies by using the 1981 Par Rate/Market Rate factors.

[b] See footnote a of Table 12 for an explanation of the data. Figures for 1965, 1975-77 are from I. Edwards, M. Hughes, J. Noren, "US and USSR: Comparisons of GNP," in US Congress, Joint Economic Committee, *The Soviet Economy in a Time of Change* (Washington, D.C., 1979). Data for other years were derived by moving 1976 Soviet GNP in dollars (geometric mean) through time by indexes of Soviet GNP in 1976 established ruble prices. This shortcut procedure gives results that are quite close to those obtained through the more complex procedures used for the benchmark years of the study—1955, 1965, 1975-77. A detailed discussion of estimating Soviet GNP in 1976 US dollars is available in the study cited above.

[c] The dollar values of gross national product are not official figures. They are estimates based on Western concepts and procedures, which compare as closely as possible to values published by Western countries.

Table 10

Index: 1970=100

Gross National Product Price Deflators

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States	75.1	81.3	100.0	137.3	152.9	164.1	178.0	193.9	211.8
Canada	74.4	81.6	100.0	150.9	177.0	188.3	207.8	229.8	258.6
Japan	62.4	79.4	100.0	161.0	181.0	189.4	193.7	199.4	209.1
European Community [a]									
France	65.7	81.0	100.0	152.6	182.7	200.1	220.3	245.1	278.0
Italy	64.0	84.2	100.0	177.0	248.7	283.2	327.6	394.3	397.8
United Kingdom	66.1	78.6	100.0	185.2	242.1	268.5	308.8	367.8	411.6
West Germany	71.1	84.7	100.0	137.6	147.4	152.9	158.7	166.4	173.6

[a] Gross domestic product deflators.

Table 11

Gross National Product in Purchasing Power Equivalents and Exchange Rate Equivalents

	Purchasing Power Equivalents [a] (Kravis)	Purchasing Power Equivalents [b] (Gilbert)	Average 1981 Par Rate/ Market Rate	Average 1980 Exchange Rate Conversions	Average 1973 Exchange Rate Conversions	February 1973 Exchange Rate Conversions	May 1972 Exchange Rate Conversions	April 1971 Exchange Rate Conversions
	Gross National Product, 1981 (Billion 1981 US $)							
OECD								
Belgium	NA	97.9	95.7	121.5	91.2	88.1	79.3	71.1
Denmark	NA	43.9	58.4	73.8	68.8	66.2	59.6	55.5
France	533.2	530.2	576.8	741.8	703.9	681.5	612.8	564.4
Italy	374.5	338.0	298.8	396.6	582.6	599.5	584.1	543.5
Japan	1,052.4	883.7 [c]	1,149.6	1,118.1	931.4	939.0	823.1	704.2
Netherlands	NA	104.3	140.7	176.6	125.6	120.2	108.2	97.0
Norway	NA	38.3	52.7	61.2	52.0	50.6	45.5	42.3
United Kingdom	414.0	389.2	502.4	576.3	607.5	616.9	645.5	594.6
West Germany	603.1	536.3	686.7	853.8	580.8	535.2	481.6	424.0
	Gross National Product Per Capita,[d] 1981 (United States=100)							
OECD								
Belgium	NA	78	76	96	72	70	63	56
Denmark	NA	68	90	114	106	102	92	85
France	78	77	84	108	102	99	89	82
Italy	51	46	41	54	80	82	80	75
Japan	70	59	77	75	62	63	55	47
Netherlands	NA	58	78	98	69	67	60	54
Norway	NA	73	101	117	100	97	87	81
United Kingdom	58	55	70	81	85	87	91	83
West Germany	77	68	87	109	74	68	61	54

[a] For the individual OECD countries, the ratios for converting GNP in national currencies at 1981 prices into 1981 US dollars on the basis of purchasing power equivalents are derived from the 1970 ratios in *A System of International Comparisons of Gross Product and Purchasing Power*, published for the World Bank by The Johns Hopkins University Press, Baltimore and London, 1975, p. 9, using the geometric mean of foreign and US weighted ratios. These 1970 GDP parities were moved to 1981 by applying the following factor: the derived price index for each OECD country for 1971-81 divided by a derived price index for the United States for 1971-81. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1981 prices.

[b] For the individual European OECD countries, the ratios for converting GNP in national currencies at 1981 prices into 1981 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1981 by applying the following factor: the derived price index for each European country for 1951-81 divided by a derived price index for the United States for 1951-81. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1981 prices.

[c] Converted at US purchasing power equivalents in approximately the same manner as the data for the European countries.

[d] Based on 1981 prices.

Table 12

Gross National Product, by End Use, in the US and the USSR, 1981

	Billion 1976 US $		USSR as a Percent of US
	US	USSR	
GNP	1,967.1	1,056.3 [b]	54
of which:			
Consumption	1,395.3	563.5	40
New fixed investment	241.0	368.1	153

[a] US data in market prices. Total Soviet GNP and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end-use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US-weighted and Soviet-weighted ratios was then used for the conversion of Soviet values into dollars. The above GNP data should not, therefore, be used in conjunction with Soviet foreign trade data appearing in Tables 63-65. These latter tables use official foreign exchange rates to derive dollar values for trade; we have yet to estimate the value of Soviet foreign trade in terms of actual purchasing power, which would allow for an estimate of the share of foreign trade in Soviet national income.

The magnitudes for the Soviet end-use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs.

The identified end uses of GNP are defined as follows:

(1) Consumption includes personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education.

(2) New fixed investment is defined as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for military facilities; and for equipment purchased by the government except that for defense. Since part of new fixed investment in the United States is capital repair, one-half of Soviet expenditures on capital repair is included in Soviet new fixed investment.

Other uses of GNP include defense, space, research and development, inventory change, administration, net exports, and a statistical discrepancy. The total value for these expenditures cannot be derived for the USSR by subtraction, however.

[b] The sum of the end-use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values.

Table 13 Percent

Real Gross National Product Growth

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-75	1976	1977	1978	1979	1980	1981
OECD	5.5	4.7	3.3	5.0	4.0	4.1	3.4	1.1	1.5
United States	4.7	3.2	2.6	5.4	5.5	4.8	3.2	−0.2	2.0
Australia	4.9	5.6	3.6	4.0	0.5	3.2	2.9	2.4	3.0
Canada	5.6	4.8	5.0	5.5	2.1	3.7	3.0	NEGL	3.0
Japan	11.2	11.3	4.7	5.3	5.3	5.1	5.6	4.2	2.9
Spain	8.8	6.2	5.5	3.0	3.3	2.7	0.6	1.2	1.1
Sweden	5.1	4.1	2.7	1.2	−2.0	1.3	4.1	1.4	−0.8
Switzerland	5.2	4.5	0.8	−0.4	2.8	0.4	2.8	3.9	1.9
European Community	**4.8**	**4.4**	**2.7**	**5.0**	**2.3**	**3.4**	**3.3**	**1.2**	**−0.3**
Belgium	5.1	5.0	3.5	5.5	0.9	3.2	1.9	2.0	−1.3
France	6.2	4.9	4.0	5.2	3.0	3.7	3.5	1.6	0.3
Italy	5.1	6.0	2.4	5.9	1.9	2.7	4.9	4.0	−0.2
Netherlands	4.9	5.4	3.1	5.6	2.4	2.1	2.3	1.0	−1.0
United Kingdom	3.2	2.5	2.1	3.6	1.3	3.3	1.4	−1.7	−0.8
West Germany	4.9	4.5	2.1	5.3	2.8	3.6	4.3	1.8	−0.3
Less developed countries	5.5	6.1	6.5	6.7	5.8	4.2	4.6	4.1	2.7
OPEC	5.9	6.1	8.8	9.9	6.5	6.8	3.0	1.7	−0.8
Communist countries									
USSR and Eastern Europe									
USSR [a]	5.0	5.2	3.7	4.8	3.2	3.4	0.8	1.2	1.8
Eastern Europe	**3.8**	**3.7**	**4.7**	**3.2**	**2.8**	**2.7**	**1.0**	**−0.6**	**−0.9**
Bulgaria	6.4	5.1	4.7	4.7	−1.9	2.1	3.6	−2.8	3.0
Czechoslovakia	2.4	3.4	3.4	1.7	4.0	1.7	0.9	1.7	0.1
East Germany	2.9	3.1	3.5	2.0	2.9	1.8	2.7	2.4	2.4
Hungary	3.9	3.0	3.3	0.3	6.2	2.7	0.6	0.5	0.6
Poland	4.5	4.0	6.5	2.5	1.9	3.5	−1.7	−3.9	−6.6
Romania	5.3	4.9	6.7	10.9	2.5	4.7	3.8	−1.7	1.0
Other									
China	NA	8.3	5.6	−2.2	7.9	12.4	7.0	6.9	3.0
North Korea	9.7	5.8	10.4	−3.0	NEGL	7.2	3.8	3.7	2.5
Yugoslavia	6.1	5.1	5.7	4.2	7.9	6.5	7.0	3.1	2.4

[a] At factor cost.

Table 14

Percent

Real Gross National Product Per Capita Growth

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-75	1976	1977	1978	1979	1980	1981
OECD									
United States	3.2	2.1	1.5	4.4	4.4	3.6	2.1	−1.3	1.0
Australia	2.7	3.6	1.6	2.9	−0.6	1.9	1.6	1.0	1.6
Canada	3.7	3.1	3.7	4.2	1.0	2.8	2.1	−1.0	2.2
Japan	10.1	10.1	3.3	4.2	4.3	4.2	4.7	3.4	2.2
Sweden	4.5	3.3	2.3	0.8	−2.3	1.0	4.0	1.2	−0.8
Switzerland	3.3	3.4	0.1	0.5	3.2	0.2	2.4	3.8	4.4
European Community	**3.7**	**3.7**	**2.2**	**4.8**	**2.1**	**3.1**	**3.0**	**0.8**	**−0.6**
Belgium	4.4	4.6	3.2	5.3	0.8	3.1	1.8	1.9	−1.2
France	4.8	4.1	3.2	5.0	2.7	3.3	3.1	1.1	−0.3
Italy	4.2	5.3	1.6	5.2	1.4	2.2	4.5	3.7	−0.6
Netherlands	3.5	4.2	2.1	4.7	1.8	1.4	1.6	0.2	−1.7
United Kingdom	2.5	2.0	1.9	3.7	1.3	3.3	1.3	−1.8	−0.8
West Germany	3.6	3.9	1.7	5.8	3.0	3.8	4.1	1.6	−0.4
Communist countries									
USSR and Eastern Europe									
USSR	3.5	4.5	2.8	3.7	2.5	2.4	0.1	0.3	1.0
Eastern Europe	**3.2**	**3.1**	**4.1**	**2.5**	**2.1**	**2.2**	**0.5**	**−1.1**	**NA**
Bulgaria	5.5	4.4	4.1	4.2	−2.4	2.0	3.5	−3.1	2.8
Czechoslovakia	1.8	3.2	2.7	0.9	3.2	1.0	0.3	1.2	0.1
East Germany	3.1	3.2	3.7	2.4	3.1	1.9	2.8	2.4	2.4
Hungary	3.5	2.7	2.9	−0.2	5.7	2.4	0.4	0.4	0.6
Poland	3.4	3.3	5.5	1.5	0.9	2.6	−2.4	−4.7	NA
Romania	4.7	3.6	5.7	9.9	1.5	3.7	2.9	−2.4	NA
Other									
China	NA	5.3	3.2	−3.9	6.2	10.7	5.4	5.3	1.5
North Korea	6.6	2.6	7.1	−5.7	−3.4	4.4	0.8	NEGL	−0.6
Yugoslavia	5.0	4.1	4.8	3.2	7.0	5.5	6.0	2.1	1.5

Table 15 Percent

Selected Economic Indicators Growth [a]

	Average Annual Rate of Growth							
	1961-70	1971-74	1975	1977	1978	1979	1980	1981
Industrial production	3.0	2.0	4.0	3.0	3.0	3.0	3.0	4.0
United States	5.0	4.7	−8.9	5.9	5.8	4.4	−3.6	2.6
Canada	6.2	6.5	−6.0	2.2	4.1	5.3	−2.0	1.2
Japan	13.6	4.8	10.5	4.2	6.2	8.2	6.8	3.1
France	5.8	5.4	−6.1	2.0	1.9	4.5	−1.0	−2.1
Italy	7.0	4.6	−9.2	1.1	1.9	6.7	5.5	−2.7
United Kingdom	2.8	2.0	−4.8	4.7	0.8	2.5	−6.5	−5.1
West Germany	5.8	2.6	−5.5	1.9	1.7	5.4	−0.8	−2.6
Consumer prices								
United States	2.7	6.2	9.1	6.5	7.6	11.3	13.5	10.3
Canada	2.7	6.5	10.8	8.0	8.9	9.1	10.2	12.5
Japan	5.7	11.4	11.8	8.0	3.8	3.6	8.0	4.9
France	4.1	8.1	11.8	9.4	9.3	10.6	13.5	13.3
Italy	3.9	10.0	17.0	17.0	12.4	15.7	21.2	19.3
United Kingdom	4.1	10.4	24.2	15.8	8.2	13.4	18.0	11.9
West Germany	2.6	6.2	6.0	3.7	2.7	4.1	5.5	5.9
Export prices (unit values, US dollar basis)								
United States	2.0	12.1	11.8	4.0	7.0	16.0	10.6	9.2
Canada	1.4	13.8	6.5	−1.2	1.4	17.8	17.4	3.9
Japan	−0.4	16.3	0	10.4	23.0	4.6	7.6	5.7
France	1.3	14.4	18.3	6.9	14.5	16.1	11.7	−12.0
Italy	0.5	14.7	12.8	13.0	11.3	20.2	7.4	−7.8
United Kingdom	NA	12.5	16.1	14.1	19.6	22.6	23.0	NA
West Germany	2.6	14.7	13.0	9.6	15.7	14.6	7.2	−15.2
Import prices (unit values, US dollar basis)								
United States	1.5	18.9	8.0	8.5	8.7	17.3	27.3	5.4
Canada	1.4	10.3	11.5	4.2	5.7	11.3	16.8	8.4
Japan	0.6	24.5	5.4	7.2	5.3	23.6	36.9	3.4
France	0.6	17.4	10.2	8.7	10.0	16.9	19.3	−7.8
Italy	1.1	23.6	5.8	10.3	8.7	21.2	26.1	1.1
United Kingdom	NA	20.3	7.4	12.1	13.9	22.6	25.2	NA
West Germany	1.5	16.1	5.3	10.5	11.5	22.3	15.6	−8.3
Productivity in manufacturing (output per hour)								

Table 15 (continued)

Percent

Selected Economic Indicators Growth[a]

	Average Annual Rate of Growth							
	1961-70	1971-74	1975	1977	1978	1979	1980	1981
United States	2.8	3.5	2.9	2.4	0.9	1.1	−0.3	2.3
Canada	4.3	4.6	−2.6	4.1	1.6	1.7	−1.9	0.6
Japan	10.8	7.5	3.9	7.2	7.9	8.8	6.8	3.0
France	5.8	5.0	3.2	5.0	5.3	5.4	0.6	2.3
Italy	7.1	7.0	−4.4	1.1	3.0	7.3	5.8	2.0
United Kingdom	3.8	4.6	−2.0	1.6	3.2	3.4	0.5	5.8
West Germany	5.5	5.6	4.8	5.3	3.8	4.9	1.1	2.6
Unit labor costs in manufacturing (in US dollars)								
United States	1.8	3.7	8.7	5.7	7.3	8.6	11.1	8.7
Canada	0.4	6.6	12.7	−1.0	−2.1	5.4	12.6	7.7
Japan	3.2	18.6	10.6	13.4	26.2	−6.6	−3.5	7.0
France	1.7	12.6	29.6	5.0	17.0	14.2	16.9	−11.2
Italy	4.5	11.3	34.4	10.5	15.6	12.0	8.9	−10.6
United Kingdom	2.1	10.0	25.9	7.1	24.0	27.7	34.8	−5.4
West Germany	5.0	17.0	13.1	13.1	21.0	12.5	8.8	−15.4
Export Volume								
United States	5.9	9.9	−1.8	1.2	10.9	11.3	6.8	−3.0
Canada	9.8	5.5	−7.2	9.0	9.9	1.8	−1.5	2.7
Japan	17.5	12.4	0.3	9.5	−1.2	−0.5	18.0	10.6
France	8.5	10.8	−4.1	6.6	6.0	10.1	2.1	2.9
Italy	12.8	7.2	2.3	7.9	11.4	7.1	−7.9	5.1
United Kingdom	4.8	6.7	−4.0	8.4	2.2	3.5	1.9	NA
West Germany	9.5	7.5	−6.0	5.5	4.1	7.1	4.1	5.3
Import Volume								
United States	8.7	5.7	−9.6	12.3	7.7	0.5	−6.6	0.9
Canada	7.9	13.3	−5.6	0.5	3.2	10.8	−5.4	2.7
Japan	14.7	8.1	−11.5	3.0	6.3	11.2	−5.9	−2.3
France	10.9	9.8	−7.0	0.8	5.2	11.6	6.3	−3.4
Italy	11.0	4.0	−11.4	−0.8	8.7	13.5	1.9	−9.4
United Kingdom	4.4	7.4	−8.9	1.5	5.0	11.6	−5.2	NA
West Germany	10.3	3.1	5.0	3.7	7.6	9.0	2.2	−3.7

[a] Growth rates were derived from unrounded data.

Table 16

Percent Change

Economic Indicators for Selected Non-OPEC Less Developed Countries

	1973	1974	1975	1976	1977	1978	1979	1980	1981
Industrial production									
China (Taiwan)	20.5	−1.4	5.4	24.3	12.8	24.8	8.1	7.7	4.2
India	1.6	2.0	4.7	9.8	5.2	6.9	1.1	0.8	9.2
Mexico	10.1	7.3	4.7	2.7	3.4	9.9	10.3	8.4	7.5
South Korea	33.5	27.5	18.9	29.7	19.9	22.9	11.7	−1.7	10.4
Consumer price inflation									
Brazil	12.7	27.6	28.9	42.0	43.7	38.7	52.7	82.8	105.0
China (Taiwan)	8.2	47.5	5.2	2.5	7.0	5.7	9.7	19.0	16.4
India	17.8	27.8	5.6	−7.8	8.5	2.5	6.3	11.5	13.0
Mexico	12.0	23.8	15.2	15.8	28.9	17.5	18.2	26.3	28.0
South Korea	3.2	24.3	25.3	15.3	10.1	14.4	18.3	28.7	23.3
Wholesale price inflation									
Brazil	15.3	29.0	27.8	40.4	40.6	37.4	55.9	106.3	110.0
China (Taiwan)	22.9	34.0	−5.1	2.8	2.7	3.5	13.8	21.5	7.6
India	16.5	28.4	3.9	−1.9	7.5	−0.3	11.4	20.4	11.8
Mexico	16.0	22.4	10.4	22.4•	41.2	15.7	18.3	24.4	24.5
South Korea	6.9	42.1	26.1	12.1	9.1	11.7	18.8	38.9	22.5
Money supply									
Brazil	41.8	37.1	33.6	40.3	38.4	38.6	51.6	74.0	73.0
China (Taiwan)	49.3	7.0	26.9	23.0	29.0	34.0	7.0	19.9	11.1
India	16.5	14.3	8.1	15.5	18.9	21.4	17.4	13.0	NA
Mexico	24.2	22.0	21.3	30.9	26.4	33.0	33.1	33.1	32.8
South Korea	51.4	26.3	26.1	30.8	39.0	28.2	20.7	16.3	4.7

Table 17 Million US $

Current Account Balance [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [b]
OECD	NA	NA	**12,100**	**17,200**	**−4,980**	**30,700**	**8,470**	**−43,600**	**−1,000**
United States	4,817	7,706	4,670	22,340	−9,910	−9,360	6,660	10,180	13,400
Canada	−1,219	−916	996	−4,695	−4,135	−4,107	−4,365	−2,028	−5,951
Japan	223	1,025	2,180	−390	11,300	17,980	−7,846	−9,430	6,140
European Community	**2,780**	**2,140**	**5,210**	**6,710**	**8,010**	**25,400**	**−652**	**−26,700**	**−7,800**
Belgium [c]	160	212	1,016	772	−267	−495	−2,488	−4,276	−4,500
Denmark	−62	−175	−510	−600	−2,117	−2,085	−3,331	−2,579	−1,838
France	719 [d]	581 [d]	289	1,100	−1,666	4,803	2,920	−6,160	−5,800
Greece	−88	−280	−406	−892	−1,075	−955	−1,886	−2,209	−2,400
Ireland	−9	−124	−197	−346	−802	−1,180	−2,522	−1,439	−1,800
Italy	371	2,353	1,424	−227	3,086	7,734	6,094	−9,392	−7,900
Netherlands	372	46	−420	2,364	929	−913	−1,811	−2,296	4,137
United Kingdom	−460	357	2,323	−2,644	1,929	5,091	2,662	11,142	13,100
West Germany	1,779	−825	1,690	7,180	7,990	13,430	−290	−9,450	−800
Non-OPEC less developed countries	NA	NA	**−8,520**	**−28,000**	**−23,000**	**−25,000**	**−40,000**	**−70,000**	**−80,000**
Argentina	−205	254	−160	−1,286	1,287	1,838	−537	−4,686	−2,064
Brazil	−534	248	−861	−6,998	−5,116	−7,039	−10,483	−12,848	−10,300
China (Taiwan)	−125	−80	5	−690	922	1,677	−241	−825	−1,000
India	−802	−1,422	−530	−342	1,739	400	−690	−4,100	−3,700
Malaysia	−2	−6	2	−460	503	221	1,065	−492	−2,650
Mexico	−326	−403	−1,075	−4,068	−1,870	−3,261	−5,569	−7,720	−12,997
Philippines	−64	96	−138	−1,076	−944	−1,272	−1,692	−2,123	−2,550
South Korea	243	−125	−706	−1,955	−41	−1,122	−4,191	−5,370	−4,558
Thailand	−37	−46	−250	−631	−1,122	−1,191	−2,135	−2,335	−2,300
OPEC [e]	NA	NA	**588**	**28,900**	**20,800**	**−6,900**	**56,600**	**106,000**	**53,700**
Iran	−125	−104	−511	4,400	5,900	2,300	12,100	−700	−2,100
Saudi Arabia	190	89	152	15,400	13,200	−1,200	13,900	46,700	54,600
Venezuela	394	36	−98	2,300	−3,200	−5,700	−200	4,800	5,000

[a] Including goods, services, and private transfers.

[b] Preliminary.

[c] Including Luxembourg.

[d] Excluding overseas departments and territories.

[e] Data prior to 1975 are from the *International Financial Statistics*.

Table 18

Million US $

International Reserves [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	19,359	15,450	14,487	15,882	19,393	19,582	19,984	27,395	29,683
Australia	743	1,317	1,693	3,257	2,383	2,418	1,790	2,044	1,994
Austria	714	1,305	1,751	4,439	4,243	6,007	5,048	6,223	6,145
Canada	1,998	3,037	4,679	5,325	4,607	4,569	3,887	4,029	4,371
Japan	1,949	2,152	4,840	12,815	23,260	33,500	20,639	25,717	29,196
Portugal	635	938	1,504	1,534	1,391	1,881	1,951	1,784	1,446
Spain	541	1,422	1,817	6,090	6,590	10,774	13,898	12,516	11,400
Switzerland	2,324	3,444	5,132	10,428	13,829	21,560	20,275	19,373	17,372
European Community									
Belgium	1,507	2,334	2,847	5,797	5,761	5,908	6,991	9,349	6,345
France	2,272	6,343	4,960	12,593	10,194	13,929	21,357	30,994	25,597
Italy	3,251	4,800	5,352	4,774	11,630	14,899	21,274	26,117	22,850
Netherlands	1,861	2,413	3,241	7,109	8,066	7,586	9,618	13,607	11,130
United Kingdom	3,719	3,004	2,827	5,459	21,057	17,067	20,585	21,492	16,013
West Germany	7,033	7,430	13,610	31,034	39,737	53,883	56,942	52,261	47,597
Latin America									
Brazil	345	484	1,187	4,034	7,255	11,900	9,045	5,853	6,693
Venezuela	609	819	1,021	8,860	8,214	6,554	7,849	7,116	8,631
Middle East									
Iran	183	251	208	8,896	12,266	12,151	15,389	NA	NA
Saudi Arabia	185	726	662	23,320	30,034	19,408	19,483	23,641	32,422
Africa									
Libya	82	246	1,590	2,195	4,890	4,217	6,458	13,229	9,149
Nigeria	343	239	222	5,610	4,259	1,916	5,579	10,266	3,924
Communist countries									
USSR	2,800	1,500	2,800	5,628	6,815	8,213	11,114	11,297	11,100
Yugoslavia	13	103	140	871	2,109	2,462	1,336	1,467	1,673

[a] Including gold and foreign exchange. Data for the non-Communist countries also include special drawing rights and the reserve position in the International Monetary Fund. Data before 1975 are expressed in terms of US dollars at the official par values and, in 1975-81, reflect the realignments of the exchange rates and the revaluations of the dollar price of gold. Gold is valued at 35 SDR per ounce.

Table 19 1970=100

Agricultural Production Index

	1965	1970	1975	1977	1978	1979	1980	1981
Developed countries	92	100	113	117	119	122	122	124
United States [a]	97	100	113	118	121	128	121	133
Canada	107	100	116	130	134	121	131	139
European Community								
France	95	100	108	107	113	122	128	124
Italy	89	100	108	107	112	117	125	121
United Kingdom	92	100	105	112	114	117	121	120
West Germany	85	100	102	106	111	110	112	109
Oceania	85	100	120	125	141	137	125	133
Less developed countries	85	100	115	122	127	127	131	136
Africa	88	100	108	109	113	114	119	121
Far East	81	100	115	124	128	125	129	136
Latin America	88	100	115	125	129	133	137	142
Middle East	85	100	121	126	132	135	137	138
Communist countries								
USSR and Eastern Europe								
USSR	83	100	98	111	115	108	103	103
Eastern Europe [b]	91	100	119	125	129	128	126	128
Bulgaria	91	100	110	108	114	121	115	119
Czechoslovakia	83	100	114	120	120	122	126	121
East Germany	94	100	118	121	121	122	125	127
Hungary	91	100	125	140	142	142	144	143
Poland	92	100	118	118	125	121	113	119
Romania	92	100	133	153	156	161	153	151
Other								
China [c]	81	100	119	118	127	138	134	135
North Korea [d]	90	100	154	170	170	180	180	NA
Yugoslavia	87	100	117	134	130	132	134	135

[a] Excluding production of seeds and of feed for horses and mules.

[b] Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. FAO, East European, and Soviet wheat price relatives for 1961-65 were used to compute the indexes.

[c] Based on estimates of grain and cotton production.

[d] Based on official grain claims.

Table 20 1970=100

Index of Industrial Production for Communist Countries

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [a]
USSR and Eastern Europe [b]									
USSR									
Official	44	67	100	143	159	166	172	178	184
Adjusted	54	74	100	133	144	149	153	158	161
Eastern Europe [c]									
Adjusted	55	76	100	133	141	144	146	149	145
Bulgaria									
Official	34	60	100	155	175	187	199	207	214
Adjusted	34	66	100	132	144	149	153	158	163
Czechoslovakia									
Official	55	72	100	138	154	162	168	174	177
Adjusted	64	81	100	121	130	133	135	138	140
East Germany									
Official	55	73	100	137	153	158	164	172	181
Adjusted	65	83	100	118	125	129	133	137	141
Hungary									
Official	52	74	100	136	152	159	163	160	164
Adjusted	56	84	100	114	123	127	128	128	130
Poland									
Official	45	67	100	164	192	200	206	200	178
Adjusted	51	74	100	144	150	152	150	149	127
Romania									
Official	30	51	100	184	231	252	272	290	298
Adjusted	35	58	100	155	173	181	186	193	196
Other									
North Korea [d]									
Official	30	58	100	228	275	322	370	433	NA

[a] Preliminary.

[b] The official indexes purportedly measure changes in the gross value of industrial production. In general, the gross value of production equals the sum of the value of output of all industrial enterprises. As a result, since both intermediate and final goods are included in the value of output of each enterprise, industrial products are double-counted. If, as the evidence suggests, intermediate product (for example rolled metal) increases relative to final product (for example machine tools) inflation of output from increased double-counting takes place. In addition to inflation in the official indicator from this source, disguised inflation also enters the index through new-product pricing, where minor product improvements result in a new-product price that is substantially higher than can be justified by either improved quality or increased production costs. Because output of these "new" products grows from a small base, their rates of growth will proceed at a higher rate than those of "old" products.

Adjusted indexes of industrial production—parallel to those used by the Federal Reserve Board for measuring US industrial output—are constructed in order to circumvent most of these distortions, that is, price-weighted samples of several final products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of value-added weights.

[c] An official index is not published.

[d] An adjusted index is not available.

Table 21 1970=100

Index of Industrial Production for Selected Countries [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [b]
OECD									
United States	61	83	100	109	128	136	141	136	140
Canada	56	78	100	123	133	140	146	142	144
Japan	28	49	100	108	125	133	145	155	160
European Community									
France	57	73	100	114	127	130	135	134	130
Italy	51	71	100	108	123	125	133	141	138
United Kingdom	76	88	100	102	105	106	106	97	91
West Germany	57	75	100	101	111	113	119	119	117
Communist countries									
USSR and Eastern Europe									
USSR [c]	54	74	100	133	144	149	153	158	161
Eastern Europe	55	76	100	133	140	144	146	148	145
Bulgaria	34	66	100	132	144	149	153	158	163
Czechoslovakia	64	81	100	121	130	133	135	138	140
East Germany	65	83	100	118	125	129	133	137	141
Hungary	56	84	100	114	123	127	128	128	130
Poland	51	74	100	144	150	152	150	149	127
Romania	35	58	100	155	173	181	186	193	196
Other									
China [d]	57	63	100	159	184	209	226	246	256
Yugoslavia	46	77	100	147	167	182	196	204	NA

[a] Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing, mining, and, in most countries, public utilities. The indexes for the Communist countries are estimates of CIA (see Table 20 for detailed explanation)—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by CIA. The indexes for the Communist countries include manufacturing, mining, and public utilities.

[b] Preliminary.

[c] Index of gross values of output for individual commodities and branches are aggregated by 1970 value-added weights. The three sectors covered—materials, machinery, and nondurable consumer goods—constitute 49.66 percent, 32.36 percent, and 17.98 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

[d] CIA estimates for 1960-75 were computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production. The index for 1977-81 follows the trend for reported gross value of industrial output.

Table 22 — Average Annual Percent Change

Major Industrial Countries: Output Trends in Selected Manufacturing Sectors

	1964-73	1974-80
United States		
Motor vehicles	5.3	−3.1
Iron and steel	3.8	−3.7
Textiles	6.1	−0.4
Electric machinery	8.2	2.7
Electronic components	18.3	5.5
Communication equipment	3.4	5.2
Nonelectric machinery	7.3	2.8
Office equipment	11.4	4.5
Precision instruments	6.0	4.6
Japan		
Motor vehicles	27.0	8.1
Iron and steel	14.0	0.7
Textiles	7.3	−1.4
Electric machinery	18.0	8.2
Electronic computers	35.9	14.5
Electronic components	26.3	12.5
Nonelectric machinery	13.9	3.1
Office equipment	46.3	29.1
Precision machinery	10.0	19.5
West Germany		
Motor vehicles	6.4 [a]	2.3
Iron and steel	5.9 [a]	−1.1
Textiles	3.2 [a]	−0.1
Electric machinery	8.3 [a]	−1.8
Nonelectric Machinery	3.0 [a]	0.9
France		
Motor vehicles	8.0	2.8
Iron and steel	3.3	−0.1
Textiles	2.4	−2.4
Electric machinery	9.5	4.5
France (continued)		
Intermediate equipment	11.2	7.8
Capital equipment	8.7	3.8
Instruments	17.2 [b]	−1.8 [c]
Nonelectric machinery	7.9	1.1
Industrial equipment	8.5 [d]	6.3 [c]
Precision instruments	8.2	5.2 [e]
Automation equipment	NA	3.8
United Kingdom		
Motor vehicles	2.3 [f]	−4.5
Iron and steel	0.1 [f]	−8.9
Textiles	2.3 [f]	−5.4
Electric machinery	6.5 [f]	1.6
Nonelectric machinery	2.3 [f]	−1.8
Precision instruments	3.5 [f]	2.2
Italy		
Motor vehicles	4.8 [g]	−1.6
Iron and steel	10.1 [g]	−3.0
Textiles	8.3 [g]	2.4
Electric machinery	NA	2.8 [h]
Nonelectric machinery	3.4 [g]	3.7
Precision instruments	NA	16.0 [i]
Canada		
Motor vehicles	16.9 [g]	−1.3
Iron and steel	9.3 [g]	2.9
Textiles	9.3 [g]	1.3
Electric machinery	10.1 [g]	0.3
Communication equipment	7.8 [g]	2.3
Household electronics	20.7 [g]	−1.6
Industrial electronics	8.6 [g]	1.7
Nonelectric machinery	11.8 [g]	5.4

[a] 1967-73

[b] 1968-73

[c] 1974-77

[d] 1966-73

[e] 1974-79

[f] 1969-73

[g] 1972-73

[h] 1975-80

[i] 1976-80

Table 23

Percent

Defense Expenditures as a Share of Gross National Product

	1965	1970	1974	1975	1976	1977	1978	1979	1980
OECD [a]									
Australia	4.4	3.3	2.2	2.6	2.7	2.6	2.6	2.3	NA
Austria	1.2	1.1	1.0	1.2	1.1	1.1	1.3	1.2	NA
Belgium	3.1	2.9	2.7	3.0	3.1	3.1	3.3	3.3	NA
Canada	3.0	2.4	2.0	1.9	1.9	2.0	2.0	1.9	NA
Denmark	2.8	2.3	2.3	2.5	2.3	2.3	2.4	2.4	NA
Finland	1.7	1.5	1.4	1.6	1.5	1.3	1.4	1.5	NA
France	5.2	4.2	3.7	3.8	3.8	3.9	3.9	3.9	NA
Greece	3.5	4.7	4.1	6.3	5.7	6.6	6.4	5.6	NA
Ireland	1.4	1.1	1.3	1.8	1.6	1.6	1.6	1.6	NA
Italy	3.3	2.5	2.6	2.5	2.3	2.4	2.4	2.4	NA
Japan	1.0	0.8	0.9	0.9	0.9	0.9	0.9	0.9	NA
Luxembourg	1.4	0.8	0.7	0.8	0.8	0.8	0.9	0.9	NA
Netherlands	4.0	3.4	3.2	3.4	3.2	3.5	3.2	3.4	NA
New Zealand	2.1	2.0	1.7	1.7	1.6	1.7	1.8	1.6	NA
Norway	3.8	3.5	3.1	3.3	3.2	3.2	3.4	3.3	NA
Portugal	6.0	6.5	6.8	5.0	3.8	3.3	3.3	3.2	NA
Spain	2.7	3.1	2.6	2.7	2.5	1.8	1.7	1.8	NA
Sweden	3.9	3.6	3.5	3.4	3.3	3.4	3.4	3.4	NA
Switzerland	2.6	2.1	1.9	1.9	2.1	2.0	2.0	2.1	NA
Turkey	5.0	4.2	3.7	5.6	6.1	5.7	5.1	4.3	NA
United Kingdom	5.9	4.7	5.0	5.0	4.9	4.8	4.7	4.8	NA
United States	7.1	7.4	5.4	5.4	5.0	4.9	4.6	4.6	5.0
West Germany	4.3	3.3	3.6	3.6	3.5	3.4	3.3	3.3	NA
Less developed countries	NA	5.8	5.5	5.9	5.9	5.5	5.4	5.5	NA
OPEC	NA	5.6	6.5	8.2	8.3	7.3	7.8	8.4	NA
Iran	NA	7.8	11.8	14.3	13.5	11.6	14.6	NA	NA
Nigeria	NA	5.9	2.9	3.4	3.8	3.9	3.5	2.5	NA
Saudi Arabia	NA	11.9	10.7	18.9	19.3	15.2	15.6	18.8	NA

[a] Except for the United States, data are from the United States Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, based on the ratio of military expenditures to GNP at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces, including expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space, and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

Table 24 Million US $

Eastern Europe: Gross and Net Hard Currency Debt to the West

	1971	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total										
Gross	6,072	9,762	15,352	23,033	29,351	36,695	46,901	57,633	66,240	67,395
Net	4,927	7,950	12,732	18,657	25,297	32,860	42,267	51,220	59,310	61,030
Bulgaria										
Gross	743	1,020	1,703	2,640	3,198	3,707	4,263	4,415	3,510	2,975
Net	723	997	1,360	2,257	2,756	3,169	3,710	3,700	2,730	2,135
Czechoslovakia										
Gross	485	757	1,048	1,132	1,862	2,616	3,206	4,099	4,890	4,620
Net	160	273	640	827	1,434	2,121	2,513	3,070	3,640	3,755
East Germany										
Gross	1,408	2,136	3,136	5,188	5,856	7,145	8,894	10,912	14,410	15,300
Net	1,205	1,876	2,592	3,548	5,047	6,159	7,548	8,950	11,750	12,640
Hungary										
Gross	1,071	1,442	2,129	3,135	4,049	5,655	7,473	8,529	8,810	8,800
Net	848	1,096	1,537	2,195	2,852	4,491	6,532	7,300	7,510	7,900
Poland										
Gross	1,138	2,796	4,643	8,014	11,483	13,967	17,844	22,669	25,120	25,000
Net	764	2,213	4,120	7,381	10,680	13,532	16,972	21,500	24,500	24,250
Romania										
Gross	1,227	1,611	2,693	2,924	2,903	3,605	5,221	7,009	9,500	10,700
Net	1,227	1,495	2,483	2,449	2,528	3,388	4,992	6,700	9,180	10,350

Table 25

Metal Prices

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Aluminum [a] (US cents per pound)	27.23	24.50	28.72	39.79	51.34	53.96	60.09	71.64	77.30
Copper [b] (US cents per pound)	30.74	58.51	64.17	55.85	59.33	61.90	89.82	98.68	79.01
Lead [c] (US cents per pound)	9.02	14.39	13.78	18.66	27.90	29.90	54.32	41.10	32.90
Nickel [d] (US cents per pound)	74.00	78.70	129.00	205.83	230.08	204.58	273.41	347.25	350.00
Tin [e] (US cents per pound)	99.60	179.40	166.70	310.20	489.20	581.10	698.80	761.30	641.40
Zinc [e] (US cents per pound)	11.09	14.11	13.40	33.68	26.70	26.90	33.40	34.40	38.40
Silver [f] (US $ per troy ounce)	0.91	1.29	1.77	4.42	4.64	5.42	11.05	20.70	10.53
Gold [e] (US $ per troy ounce)	35.28	35.13	35.98	160.47	147.70	193.20	306.80	612.10	460.00
Platinum [g] (US $ per troy ounce)	83.21	98.04	132.50	164.50	167.41	237.90	351.50	439.50	475.00
Iron Ore [h] (US $ per metric ton)	17.00	16.00	15.00	23.00	22.00	19.00	24.00	27.00	28.76
Manganese [i] (US $ per metric ton)	87.00	75.00	54.00	138.00	148.00	142.00	137.00	153.00	80.80
Steel scrap [j] (US $ per long ton)	33.20	34.27	44.95	71.86	64.20	78.90	99.40	91.20	92.00
Chrome ore [k] (US $ per metric ton)	18.93	19.31	23.12	39.78	55.80	56.20	56.00	55.00	53.00
Finished steel composite [l] (US cents per pound)	6.20	6.37	7.65	13.10	15.58	17.96	19.98	21.71	24.26

[a] Virgin unalloyed ingot at New York.

[b] London Metal Exchange electrolytic wirebars.

[c] London Metal Exchange refined pig lead, minimum 99.97 percent.

[d] US major producer of cathodes, spot, f.o.b. refinery.

[e] London Metal Exchange.

[f] US price (New York).

[g] Major producers, New York.

[h] Brazil (North Sea ports).

[i] India (US ports).

[j] Number 1, heavy melting average.

[k] South African ports.

[l] Weighted index of steel shapes.

Table 26

US $ per Metric Ton

Agricultural Prices

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Beef [a]	NA	882	1,304	1,327	1,508	2,140	2,888	2,775	2,549
Cocoa [b]	NA	355	655	1,239	3,792	3,362	3,181	2,502	1,980
Coffee [c]	807	965	1,230	1,821	5,890	3,643	3,935	4,603	4,110
Corn [d]	50	56	58	119	95	101	116	126	130
Cotton [e]	692	670	653	994	1,358	1,270	1,369	1,792	1,588
Palm oil [f]	228	273	260	429	580	600	654	583	571
Rice [g]	179	183	190	419	333	399	381	496	565
Rubber, natural [h]	842	567	465	659	917	1,102	1,415	1,620	1,257
Soybeans [i]	92	117	117	220	279	268	297	297	288
Soybean meal [j]	78	94	103	155	229	214	243	260	253
Soybean oil [k]	224	270	291	563	574	607	663	598	507
Sugar [l]	69	47	83	452	177	172	213	630	372
Tea [m]	1,422	1,280	1,092	1,375	2,641	2,187	2,158	2,235	2,019
Wheat [n]	58	60	55	149	103	128	160	173	175

[a] Boneless Australian, f.o.b., New York.

[b] New York cocoa bean futures prices. Average of nearest three active futures trading months.

[c] From Santos, No. 4, New York spot.

[d] US No. 2 yellow, f.o.b. Gulf ports.

[e] US, domestic middling 1 inch, 12 markets.

[f] United Kingdom 5 percent bulk, c.i.f.

[g] US No. 2, milled, f.o.b., New Orleans.

[h] Smoked sheets, New York.

[i] US No. 2, bulk, c.i.f., Rotterdam.

[j] US, 44 percent extraction, c.i.f., Rotterdam.

[k] All origins, f.o.b., Netherlands.

[l] Caribbean, raw, f.a.s., No. 11 bulk, New York spot.

[m] London, average price all teas.

[n] US No. 1, hard winter, ordinary protein, f.o.b. Gulf ports.

Table 27

US $ per Barrel

OPEC Countries: Crude Oil Official Sales Price [a]

	1973 [b]	1974	1975	1976	1977	1978	1979	1980	1981
OPEC [c]	3.39	11.28	11.02	11.77	12.88	12.93	18.67	30.87	34.50
Algeria (42° API, 0.10% sulfur)	4.79	13.33	12.06	13.01	14.37	14.14	19.65	37.59	39.58
Ecuador (28° API, 0.93% sulfur)	3.67	10.58	11.05	11.46	12.90	12.33	22.41	34.42	34.50
Gabon (29° API, 1.26% sulfur)	3.32	9.56	10.47	11.55	12.80	12.80	18.20	31.09	34.83
Indonesia (35° API, 0.09% sulfur)	4.00	11.93	12.65	12.80	13.55	13.55	18.35	30.55	35.00
Iran (34° API, 1.35% sulfur)	3.24	11.10	10.91	11.62	12.81	12.81	19.45	34.54	36.60
Iraq (35° API, 1.95% sulfur)	3.03	10.77	10.74	11.46	12.61	12.62	18.56	30.30	36.66
Kuwait (31° API, 2.50% sulfur)	2.93	10.79	10.60	11.26	12.37	12.26	18.48	29.84	35.08
Libya (40° API, 0.22% sulfur)	4.82	13.90	11.71	12.47	14.06	13.89	21.16	36.07	40.08
Nigeria (34° API, 0.16% sulfur)	4.50	13.00	11.90	12.93	14.45	14.07	20.86	35.50	38.48
Qatar (40° API, 1.17% sulfur)	3.29	11.61	11.34	11.85	13.19	13.19	19.72	31.76	37.12
Saudi Arabia, Arab light (34° API, 1.70% sulfur)	3.06	10.89	10.72	11.51	12.40	12.70	17.26	28.67	32.50
United Arab Emirates (39° API, 0.75% sulfur)	3.30	11.57	11.13	11.92	12.88	13.26	19.81	31.57	36.42
Venezuela (26° API, 1.52% sulfur)	2.91	9.54	10.63	11.33	12.75	12.75	17.22	28.44	32.88

[a] F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.

[b] Posted prices.

[c] Weighted by the volume of production.

Table 28

1970=100

Wholesale Price Index in Non-Communist Countries

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	85	87	100	148	164	176	196	222	243
Canada	81	88	100	172	196	215	246	279	307
Japan	89	90	100	157	168	163	176	202	204
European Community									
Belgium [a]	82	90	100	137	151	148	157	165	176
France [b]	77	85	100	149	169	176	200	217	246
Italy	77	88	100	192	276	299	347	408	482
Netherlands [c]	81	90	100	137	155	158	162	167	190
United Kingdom [c]	74	84	100	189	265	288	323	376	416
West Germany [a] [c]	88	94	100	137	147	146	155	166	176

[a] Excluding the value added tax.

[b] Intermediate goods prices.

[c] Industrial goods prices.

Table 29

1970=100

Consumer Price Index

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	76	81	100	139	156	168	187	212	234
Canada	77	83	100	142	165	180	197	217	244
Japan	57	77	100	171	203	212	219	236	248
European Community									
Belgium	74	84	100	150	175	183	189	202	217
France	67	81	100	153	183	200	221	252	285
Italy	68	88	100	171	238	268	310	375	448
Netherlands	66	79	100	151	175	182	190	202	216
United Kingdom	67	80	100	185	249	270	306	361	404
West Germany	77	93	100	132	142	145	151	160	169
Communist countries									
USSR [a]	90	97	100	110	112	114	116	120	122
Eastern Europe [b]									
Bulgaria [c]	73	86	100	116	127	131	138	161	166
Czechoslovakia	73	81	100	111	114	116	121	126	127
East Germany	89	94	100	102	107	108	110	113	114
Hungary	81	87	100	122	136	140	154	166	178
Poland	78	87	100	130	148	163	179	201	NA
Romania	NA	NA	100	116	119	126	127	131	135
Other									
China	96	102	100	100	103	100	102	108	111
Yugoslavia	31	59	100	242	308	350	425	553	774

[a] Implicit price index obtained from a comparison of indexes of goods sold in the retail trade network in constant and in current prices. The current price index is based on the values of total retail and collective farm market sales in current prices regularly published in Soviet statistical abstracts. The index in constant prices is derived from the goods components of the CIA index of total consumption. A more complete explanation of the methodology and a discussion of the relative merits of an "official" or "alternative" price index are contained in "Soviet Economy in a New Perspective," US Congress, Joint Economic Committee, 14 October 1976, p. 631.

[b] Calculated differently from that for the USSR; the official index of personal consumption in current prices was deflated by a calculated index of personal consumption in constant prices. An explanation of the methodology used to calculate personal consumption is presented in T. P. Alton, "Index of Personal Consumption in Poland, 1937 and 1946-1967," *Occasional Papers of the Research Projection National Income in East Central Europe* (NY: L. W. International Financial Research, Inc., 1973).

[c] Price indexes are calculated from official figures for total consumption of the population, including estimates of health and education expenses.

Table 30 Million Persons at Midyear

Population

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**641.8**	**681.6**	**715.6**	**751.6**	**763.4**	**769.2**	**775.2**	**781.7**	**787.2**
United States	180.7	194.3	205.1	216.0	220.2	222.6	225.1	227.7	229.8
Australia	10.4	11.4	12.7	13.8	14.1	14.2	14.4	14.6	14.8
Austria	7.0	7.3	7.4	7.6	7.6	7.6	7.6	7.6	7.6
Canada	17.9	19.7	21.3	22.7	23.3	23.5	23.7	24.0	24.2
Finland	4.4	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	98.9	104.3	111.6	113.9	114.9	115.9	116.8	117.6
New Zealand	2.4	2.6	2.8	3.1	3.1	3.1	3.1	3.1	3.1
Norway	3.6	3.7	3.9	4.0	4.0	4.1	4.1	4.1	4.1
Portugal	9.0	9.1	9.0	9.4	9.7	9.8	9.8	9.9	9.9
Spain	30.5	32.1	33.9	35.5	36.4	36.8	37.1	37.4	37.7
Sweden	7.5	7.7	8.0	8.2	8.3	8.3	8.3	8.3	8.3
Switzerland	5.4	5.9	6.3	6.4	6.3	6.3	6.4	6.4	6.4
Turkey	28.2	32.0	35.8	40.8	42.9	43.9	45.0	46.0	47.1
European Community	**240.5**	**252.1**	**260.3**	**267.5**	**268.7**	**269.1**	**269.7**	**270.8**	**271.6**
Belgium	9.1	9.4	9.6	9.8	9.8	9.8	9.8	9.9	9.9
Denmark	4.6	4.8	4.9	5.1	5.1	5.1	5.1	5.1	5.1
France	45.7	48.8	50.8	52.7	53.1	53.3	53.5	53.7	54.0
Greece	8.3	8.6	8.8	9.0	9.3	9.4	9.4	9.6	9.7
Ireland	2.8	2.9	3.0	3.2	3.3	3.3	3.4	3.4	3.4
Italy	50.2	52.0	53.7	55.8	56.5	56.7	56.9	57.0	57.2
Luxembourg	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	13.0	13.7	13.9	13.9	14.0	14.1	14.2
United Kingdom	52.6	54.4	55.5	56.0	55.9	55.9	55.9	56.0	56.0
West Germany	55.4	58.6	60.7	61.8	61.4	61.3	61.3	61.6	61.7
Less developed countries									
Bangladesh	53.4	60.7	69.7	78.4	81.8	84.0	86.1	88.4	90.7
Burma	21.7	24.2	27.1	30.5	32.0	32.8	33.6	34.4	35.3
Brazil	71.7	83.1	95.7	108.5	113.7	116.4	119.2	122.0	124.8
Egypt	26.3	29.8	33.2	36.8	38.7	39.7	40.9	42.2	43.4
India	445.9	494.9	553.6	619.2	647.5	662.1	677.0	692.3	707.8
Indonesia	100.7	112.3	122.7	136.6	142.2	145.1	148.1	151.2	154.3
Iran	21.6	25.0	28.9	33.4	35.4	36.5	37.6	38.8	40.0

Table 30 (continued)

Million Persons at Midyear

Population

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Mexico	36.2	42.6	50.1	58.8	62.6	64.4	66.1	67.9	69.6
Nigeria	42.4	48.7	56.3	65.7	69.9	72.2	74.6	77.1	79.7
Philippines	27.9	32.4	37.5	43.1	45.4	46.6	47.8	49.1	50.3
South Korea	25.1	29.1	33.0	36.7	37.9	38.5	39.1	39.8	40.4
Thailand	27.5	32.1	37.1	42.4	44.6	45.6	46.7	47.7	48.8
Communist countries	**1,070.9**	**1,154.6**	**1,288.3**	**1,415.9**	**1,455.0**	**1,473.8**	**1,492.4**	**1,511.0**	**1,530.5**
USSR and Eastern Europe	**311.0**	**330.7**	**345.8**	**360.6**	**366.5**	**369.5**	**3 72.1**	**374.9**	**377.6**
USSR	214.3	230.9	242.8	254.5	259.0	261.3	263.4	265.5	267.7
Eastern Europe	**96.7**	**99.8**	**103.0**	**106.1**	**107.5**	**108.2**	**108.7**	**109.4**	**109.9**
Bulgaria	7.9	8.2	8.5	8.7	8.8	8.8	8.8	8.9	8.9
Czechoslovakia	13.7	14.1	14.3	14.8	15.0	15.1	15.2	15.3	15.3
East Germany	17.1	17.0	17.1	16.9	16.8	16.8	16.7	16.7	16.7
Hungary	10.0	10.2	10.3	10.5	10.6	10.7	10.7	10.7	10.7
Poland	29.6	31.3	32.5	34.0	34.6	34.9	35.3	35.6	35.9
Romania	18.4	19.0	20.3	21.2	21.7	21.9	22.0	22.2	22.4
Other									
Albania	1.6	1.9	2.1	2.4	2.5	2.6	2.6	2.7	2.7
China	680.2	734.5	842.9	946.7	976.2	990.0	1,004.0	1,017.6	1,032.0
Cuba	7.0	7.8	8.6	9.3	9.5	9.6	9.7	9.6	9.7
Kampuchea	5.4	6.1	7.1	6.7	6.0	5.9	5.8	5.7	5.8
Laos	2.4	2.7	3.0	3.3	3.4	3.4	3.4	3.5	3.5
Mongolia	1.0	1.1	1.2	1.4	1.5	1.6	1.6	1.7	1.7
North Korea	10.6	12.2	14.2	16.5	17.6	18.1	18.7	19.3	19.9
Vietnam	33.3	38.2	43.0	47.7	50.1	51.2	52.4	53.7	55.1
Yugoslavia	18.4	19.4	20.4	21.3	21.7	21.9	22.1	22.3	22.5

Table 31 **Million Persons at Midyear**

Labor Force [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	72.14	77.18	85.96	95.96	101.42	104.37	107.05	109.04	110.81
Canada [b]	6.50	7.22	8.49	10.05	10.58	10.96	11.29	11.60	11.91
Japan [b]	44.33	47.01	50.97	52.77	54.06	54.84	55.45	55.98	56.56
European Community									
France	19.92	20.32	21.41	22.21	22.72	22.90	23.05	23.19	23.33
Italy	21.89	20.82	20.33	21.61	20.93	21.03	21.33	21.64	21.79
United Kingdom	24.10	25.09	24.91	25.49	25.84	25.97	25.87	25.72	25.75
West Germany [b]	26.28	26.85	26.74	26.16	25.89	26.05	26.31	26.52	26.63
Communist countries									
USSR and Eastern Europe	**158**	**166**	**179**	**192**	**197**	**199**	**202**	**204**	NA
USSR [c]	110.13	116.49	125.61	135.77	140.14	141.74	144.20	146.07	147.75
Eastern Europe	**48.2**	**49.7**	**53.4**	**56.1**	**57.0**	**57.4**	**57.8**	**58.2**	NA
Bulgaria	4.42	4.26	4.55	4.66	4.70	4.72	4.73	4.72	4.72
Czechoslovakia	6.40	6.77	7.03	7.36	7.45	7.48	7.51	7.55	7.35
East Germany	8.51	8.39	8.53	8.71	8.80	8.86	8.93	9.01	NA
Hungary	4.74	4.78	5.00	5.22	5.23	5.23	5.23	5.23	5.23
Poland	14.13	15.21	16.89	18.28	18.84	19.09	19.33	19.58	19.65
Romania	10.00	10.27	11.36	11.85	11.97	12.02	12.07	12.09	12.15
Other									
China [d]	NA	286.70	NA	381.68	NA	NA	405.81	NA	NA
Cuba	NA	NA	4.18 [e]	4.45	4.62	4.73	4.85	4.99	NA
Vietnam [f]	8.50	9.70	10.95	12.50	23.00	24.50	25.50	26.50	27.50
Yugoslavia [g]	7.07	7.81	8.07	8.21	8.42	8.50	8.85	9.03	9.21

[a] Unless otherwise indicated, data include the armed forces and the unemployed.

[b] Annual averages of monthly data.

[c] Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.

[d] Data are as of the end of the year.

[e] Data are for 1971.

[f] Excluding the armed forces and prior to 1977, South Vietnam.

[g] Excluding those employed abroad and the armed forces.

Table 32 Million Persons at Midyear

Agricultural Labor Force[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States[b]	5.57	4.48	3.57	3.51	3.43	3.55	3.51	3.53	3.52
Canada[b]	0.80	0.69	0.60	0.56	0.55	0.57	0.59	0.58	0.60
Japan[b]	12.80	10.50	8.49	6.38	6.11	6.10	5.86	5.51	5.33
Communist countries									
USSR and Eastern Europe	**66.3**	**58.6**	**55.0**	**50.6**	**48.9**	**48.1**	**47.2**	**46.4**	NA
USSR[c]	45.44	40.04	37.50	34.85	33.79	33.25	32.72	32.19	31.66
Eastern Europe	**20.8**	**18.6**	**17.5**	**15.7**	**15.2**	**14.8**	**14.5**	**14.2**	NA
Bulgaria	2.49	1.93	1.64	1.40	1.32	1.27	1.23	1.19	1.15
Czechoslovakia	1.68	1.48	1.29	1.13	1.11	1.11	1.09	1.08	NA
East Germany	1.56	1.38	1.08	0.93	0.88	0.86	0.86	0.85	NA
Hungary	1.83	1.42	1.26	1.09	1.05	1.02	1.02	1.01	NA
Poland	6.66	6.39	6.32	6.09	6.00	5.94	5.90	5.88	5.92
Romania	6.62	5.97	5.87	5.10	4.79	4.64	4.40	4.23	4.20
Other									
China[d]	NA	233.98	278.14	294.60	NA	NA	294.25	NA	NA
Cuba	NA	NA	0.92[e]	0.92	0.81	0.86	NA	NA	NA
Vietnam[f]	6.50	6.75	7.65	8.70	13.90	14.50	15.10	15.65	16.35
Yugoslavia	4.14	4.12	4.01	3.21	2.88	2.75	2.69	2.53	2.40

[a] Excluding the armed forces.

[b] Data are for civilian employment.

[c] Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.

[d] Data are as of the end of the year.

[e] Data are for 1971.

[f] Including South Vietnam beginning in 1977.

Table 33 — Million Persons at Midyear

Nonagricultural Labor Force[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	66.57	72.70	82.39	92.45	97.72	100.82	103.54	105.51	107.29
Canada	5.71	6.52	7.88	9.49	10.03	10.39	10.70	11.02	11.32
Japan	31.53	36.51	42.48	46.39	47.95	48.74	49.59	50.47	51.23
European Community									
France	15.73	16.82	18.57	20.10	20.74	20.97	21.17	21.33	NA
Italy	15.38	15.79	16.49	17.36	17.81	17.98	18.34	18.74	19.06
United Kingdom	23.12	24.14	24.13	24.85	25.20	25.34	25.25	25.09	25.14
West Germany	22.76	23.97	24.48	24.34	24.24	24.44	24.75	25.00	25.15
Communist countries									
USSR and Eastern Europe	**92.0**	**108**	**124**	**141**	**148**	**151**	**156**	**158**	NA
USSR[b]	64.70	76.46	88.11	100.92	106.36	108.49	112.47	113.88	116.09
Eastern Europe	**27.3**	**31.1**	**35.9**	**40.4**	**41.9**	**42.6**	**43.4**	**43.9**	NA
Bulgaria	1.93	2.34	2.91	3.27	3.38	3.45	3.50	3.53	3.57
Czechoslovakia	4.71	5.30	5.74	6.23	6.34	4.36	6.42	6.47	NA
East Germany	6.95	7.00	7.46	7.78	7.93	8.00	8.07	8.16	NA
Hungary	2.90	3.35	3.75	4.13	4.19	4.21	4.21	4.22	NA
Poland	7.47	8.82	10.57	12.19	12.84	13.15	13.50	13.70	13.73
Romania	3.37	4.31	5.49	6.76	7.18	7.38	7.67	7.86	7.95
Other									
China[c]	NA	52.72	NA	87.08	NA	NA	111.56	NA	NA
Cuba[d]	NA	NA	1.48[e]	1.71	1.78	1.87	NA	NA	NA
Vietnam[f]	2.00	2.95	3.30	3.80	9.60	10.00	10.40	10.85	11.15
Yugoslavia[g]	2.93	3.69	4.06	5.00	5.54	5.75	6.16	6.50	6.81

[a] Unless otherwise indicated, data include the armed forces.

[b] Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.

[c] Data are as of the end of the year.

[d] State sector only.

[e] Data are for 1971.

[f] Excluding the armed forces and prior to 1977, South Vietnam.

[g] Excluding those employed abroad and the armed forces; estimated 1980.

Table 34

Million Persons, Annual Average

Industrial Employment[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	22.00	24.31	26.08	25.30	27.34	28.81	29.80	29.13	29.00
Canada	1.91	2.23	2.36	2.61	2.67	2.75	2.88	2.92	2.97
Japan	12.38	15.01	17.88	18.37	18.51	18.55	18.74	19.18	19.30
European Community									
France	7.14	7.66	7.91	7.85	7.74	7.61	7.49	7.42	NA
Italy	6.86	7.17	7.59	7.66	7.66	7.63	7.64	7.77	7.72
United Kingdom	11.18	11.12	10.52	9.66	9.37	9.36	9.33	8.93	8.02
West Germany	12.40	12.76	12.45	11.17	10.88	10.90	11.01	11.11	10.88
Communist countries									
USSR and Eastern Europe	**34.0**	**40.3**	**46.1**	**50.3**	**52.0**	**52.7**	**53.2**	**53.7**	NA
USSR	22.62	27.45	31.59	34.05	35.42	36.01	36.50	36.89	37.14
Eastern Europe	**11.4**	**12.8**	**14.5**	**16.2**	**16.6**	**16.7**	**16.7**	**16.8**	NA
Bulgaria	0.72	0.90	1.09	1.22	1.23	1.21	1.22	1.22	1.25
Czechoslovakia	2.21	2.41	2.60	2.67	2.70	2.71	2.76	2.78	NA
East Germany	2.78	2.78	2.85	3.07	3.11	3.13	3.13	3.15	NA
Hungary	1.39	1.57	1.79	1.80	1.76	1.73	1.70	1.67	1.64
Poland	3.01	3.50	4.12	4.68	4.72	4.78	4.77	4.76	4.74
Romania	1.25	1.67	2.06	2.80	3.03	3.10	3.15	3.20	3.24
Other									
China	NA	18.00	28.00	NA	48.00	50.00	53.00	NA	NA
Cuba[b]	NA	NA	0.44[c]	0.47	0.52	0.55	NA	NA	NA
Vietnam[d]	0.75	0.95	1.10	1.25	2.00	2.00	2.01	2.15	2.25
Yugoslavia	1.07	1.38	1.45	1.84	1.95	2.02	2.10	2.17	2.23

[a] Including employment in manufacturing, mining, and construction.

[b] State sector only.

[c] Data are for 1971.

[d] Including South Vietnam beginning in 1977.

Table 35 Percent

Big Seven: Unemployment Rates [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States	5.5	4.5	4.9	8.5	7.0	6.1	5.9	7.2	7.6
Canada	7.0	3.9	5.7	6.9	8.1	8.4	7.5	7.5	7.6
France	1.8	1.6	2.6	4.3	5.0	5.3	5.9	6.2	7.6
Italy [b]	3.8	3.5	3.1	3.2	3.4	3.6	3.8	3.8	4.2
Japan	1.7	1.2	1.2	1.9	2.0	2.2	2.1	2.0	2.2
United Kingdom [c]	2.2	2.2	3.1	4.1	6.0	5.7	5.7	7.4	11.4
West Germany	1.1	0.5	0.6	4.1	4.0	3.8	3.8	3.9	5.6

[a] Unemployment as a share of total civilian labor force.
[b] Data adjusted to US concepts.
[c] Excluding Northern Ireland.

Table 36 Percent

Big Seven: Personal Savings Rates [a]

	1960	1970	1975	1976	1977	1978	1979	1980	1981
United States	4.9	8.0	8.6	6.9	5.6	5.2	5.2	5.6	5.3
Canada	3.3	5.3	10.9	10.0	9.7	10.8	10.3	10.1	11.6
Japan	17.4	18.2	22.1	22.4	21.0	20.6	18.6	19.4	NA
France	9.8	16.7	18.6	16.4	16.6	17.5	15.9	14.3	14.8
Italy	NA	21.6	23.2	22.9	22.5	23.8	25.3	22.0	NA
United Kingdom	7.2	9.3	12.7	11.9	10.8	12.7	14.1	15.1	13.7
West Germany	8.5	14.6	16.4	14.7	13.6	13.7	14.4	14.5	15.2

[a] Savings as a share of disposable personal income.

Table 37

Units per US $

Foreign Trade Exchange Rates of the Communist Countries [a]

	Unit of Currency	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
USSR	Ruble	0.900	0.824	0.739	0.756	0.720	0.754	0.736	0.681	0.654	0.649	0.719
Eastern Europe												
Bulgaria	Lev	1.17	1.08	0.97	0.97	0.97	0.97	0.95	0.89	0.86	0.86	0.95
Czechoslovakia	Koruna	7.20	6.63	5.84	5.84	5.58	5.77	5.64	5.42	5.31	5.38	5.38
East Germany [b]	Deutsche mark East	4.20	3.87	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.30	3.30
Hungary [c]	Forint	11.74	10.81	9.50	9.15	8.57	41.56	40.96	38.01	35.58	32.43	34.33
Poland	Zloty	4.00	3.68	3.32	3.32	3.32	3.32	3.32	3.17	3.09	3.05	3.36
Romania	Leu	6.00	5.53	4.97	4.97	4.97	4.97	4.97	4.56	4.47	4.47	4.47
Other												
Albania	Lek	5.00	4.61	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
China	Yuan	2.39	2.25	2.01	1.96	1.85	1.94	1.85	1.68	1.55	1.49	1.70
Cuba	Peso	1.00	0.92	0.84	0.83	0.83	0.82	0.79	0.75	0.72	0.71	0.78
Mongolia	Tugrik	NA	NA	3.31	NA	NA	NA	3.30	3.11	3.11	NA	NA
North Korea [d]	Won	2.36	2.36	2.06	2.15	2.02	2.02	2.02	1.86	1.79	1.77	NA
Vietnam	Dong	NA	NA	NA	NA	NA	NA	2.30	2.54	2.17	2.80	9.00
Yugoslavia	Dinar	14.96	17.00	16.19	15.91	17.39	18.19	18.30	18.64	19.00	24.91	35.51

[a] Average exchange rate for the year. Some countries also have special exchange rates for noncommercial transactions, such as diplomatic, tourist, and student expenditures and for personal remittances.

[b] The unofficial rates actually used in East German accounting of foreign trade transactions. The official rate is 2.05 deutsche marks to the dollar.

[c] Since January 1976, Hungary has expressed the value of its foreign trade in domestic forints rather than diviza forints.

[d] End of year rate. Noncommercial rate through 1977; 1978 is a "special" rate for March 1978 as reported.

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Table 38 | Percent

USSR: Percent Distribution of Gross National Product at Factor Cost,[a] by End Use

	1960	1965	1970	1975	1977	1978	1979	1980	1981[b]
Total	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Consumption[c]	58	54	54	54	52	52	53	53	54
Investment	24	27	28	31	32	32	32	33	33
New fixed[d]	20	22	23	25	26	26	26	26	26
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	18	19	18	16	16	16	14	13	13

[a] Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital charges and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices.

[b] Preliminary.

[c] Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

[d] Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Table 39 | Percent

USSR: Growth of Gross National Product at Factor Cost, by End Use[a]

	Average Annual Rate of Growth									
	1961-65	1966-70	1971-75	1976-80	1976	1977	1978	1979	1980	1981[b]
Total	**5.0**	**5.2**	**3.7**	**2.7**	**4.8**	**3.2**	**3.4**	**0.8**	**1.2**	**1.8**
Consumption[c]	3.7	5.3	3.6	2.6	2.3	2.9	2.9	2.9	2.3	2.4
Investment	7.6	6.0	5.4	4.2	8.0	5.1	3.7	1.6	2.7	3.4
New fixed[d]	7.2	6.4	4.8	3.7	7.6	4.4	3.1	1.2	2.3	3.0
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	5.7	3.9	1.3	−0.5	7.1	0.4	4.6	−7.7	−6.2	−4.1

[a] Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the growth rates in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital changes and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices.

[b] Preliminary.

[c] Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

[d] Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

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Table 40

Percent

USSR: Share of Gross National Product,[a] by Sector of Origin

	1965	1970	1975	1977	1978	1979	1980	1981[b]
GNP	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Agriculture	23	21	16	17	17	15	14	13
Industry	30	32	36	36	36	36	37	37
Construction	7	7	8	8	8	8	8	8
Transportation	8	9	10	10	10	10	10	11
Communications	1	1	1	1	1	1	1	1
Trade	7	7	8	8	8	8	8	8
Services	22	20	20	20	20	20	20	20
Other	2	2	2	2	2	2	2	2

[a] Calculated at factor costs.

[b] Preliminary.

Table 41

Percent

USSR: Growth of Gross National Product,[a] by Sector of Origin

	Average Annual									
	1961-65	1966-70	1971-75	1976-80	1976	1977	1978	1979	1980	1981[b]
GNP	**5.0**	**5.2**	**3.7**	**2.7**	**4.8**	**3.2**	**3.4**	**0.8**	**1.2**	**1.8**
Agriculture[c]	3.6	3.9	−0.4	0.8	8.1	4.6	3.3	−5.9	−5.1	0.1
Industry	6.6	6.3	5.9	3.4	3.9	4.0	3.5	3.0	2.9	1.7
Construction	5.0	5.8	5.6	2.4	3.4	2.4	3.0	0.8	2.5	1.9
Transportation	9.0	6.7	6.5	3.5	4.4	2.2	4.6	2.3	3.8	3.8
Communications	7.1	8.9	7.3	5.8	6.4	5.6	5.5	5.6	5.7	4.9
Trade	4.8	7.0	4.6	3.0	3.5	3.6	3.4	2.4	2.4	3.0
Services	4.4	4.2	3.4	2.8	2.5	2.5	3.1	3.0	3.0	2.6
Other	2.5	3.6	1.9	0.9	1.7	0.6	0.9	0.8	0.7	0.9

[a] Calculated at factor cost.

[b] Preliminary.

[c] Excluding intra-agricultural use of farm products but does not make an adjustment for purchases by agriculture from other sectors.

Table 42 Billion Rubles

USSR: Gross Fixed Capital Investment, by Function and by Sector [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [b]
Total investment	**41.3**	**56.0**	**80.6**	**112.9**	**122.3**	**129.7**	**130.6**	**133.5**	**140.2**
By function									
Construction and installation	29.1	35.5	49.9	66.2	68.4	69.5	69.1	69.3	NA
Equipment	10.0	16.9	24.4	37.1	43.0	46.6	48.3	50.2	NA
Other capital outlays	2.2	3.6	6.3	9.6	10.9	13.6	13.2	14.0	NA
By sector									
Industry	14.86	20.62	28.53	39.71	43.45	45.60	45.69	47.28	NA
Ferrous metallurgy	1.39	1.78	2.02	2.80	3.06	3.03	3.21	3.07	NA
Chemicals and petrochemicals	1.05	2.16	2.40	3.79	4.48	5.32	4.50	4.01	NA
Fuels and power	4.41	6.65	8.22	11.14	12.19	13.62	14.03	15.35	NA
Machine building and metalworking	2.03	3.11	5.96	9.41	10.57	11.11	11.10	11.50	NA
Construction materials	1.19	1.01	1.67	1.86	1.89	1.80	1.92	1.86	NA
Consumer goods	2.00	2.43	3.51	4.54	4.26	4.32	4.42	4.60	NA
Other [c]	2.79	3.48	4.75	6.17	7.00	6.40	6.51	6.89	NA
Construction industry	1.20	1.47	2.99	4.35	4.65	5.16	5.31	5.32	NA
Transport and communications	4.09	5.61	7.99	12.72	13.89	16.33	16.20	16.15	NA
Agriculture	5.44	9.48	14.28	23.29	24.91	25.79	26.34	26.85	NA
Housing	9.42	9.59	13.36	16.26	17.01	17.52	17.33	17.93	NA
Services	6.29 [d]	9.23	13.45	16.57	18.39	19.30	19.73	19.97	NA

[a] The construction portion of gross fixed investment is reported in standard project costs ("estimate prices" in Soviet terminology) of 1 January 1976. Investment in machinery and equipment is in wholesale prices of 1 January 1973. Other capital outlays are for surveys, designs, technical documentation, and the like. Their valuation in investment statistics has never been described in Soviet sources. Before 1976, Soviet statistical publications reported investment in prices of 1 January 1969. Official Soviet price indexes show only small changes in construction costs and equipment prices between 1969 and 1976. The USSR has yet to release figures in 1976 prices for total investment in 1960, and for investment by sector in 1960 and 1965. Data for these years in 1969 prices were converted to 1976 prices by comparing investment in old and new prices for those years where data are available in both sets of prices.

[b] Preliminary.

[c] Computed as a residual; includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

[d] Computed as a residual.

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Table 43

Billion Rubles

USSR: Stock of Fixed Capital, by Sector [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [b]
Total capital stock [c]	**398**	**601**	**860**	**1,256**	**1,437**	**1,537**	**1,637**	**1,744**	**1,851**
Industry	100	168	255	385	445	480	514	551	NA
Ferrous metallurgy	10	17	26	38	43	46	47	51	NA
Chemicals and petrochemicals	5	13	23	36	41	45	51	56	NA
Fuels and power	32	51	78	112	127	136	146	157	NA
Machine building and metalworking	18	32	51	82	99	109	118	129	NA
Construction materials	6	9	14	22	26	27	29	30	NA
Consumer goods	14	22	32	47	53	56	59	62	NA
Timber, woodworking, and paper	6	9	13	18	21	22	24	25	NA
Other	9	15	18	30	35	39	40	41	NA
Construction industry	7	12	22	35	43	48	52	56	NA
Trade, public dining, material, technical supply	11	20	31	47	55	58	62	64	NA
Agriculture [c]	54	77	106	167	194	209	223	238	NA
Transport and communications	54	83	117	171	195	209	223	239	NA
Housing	120	159	204	267	294	309	323	339	NA
Services	52	82	125	184	211	224	240	257	NA

[a] The fixed capital series presented here is expressed in prices of 1973 with the value of stocks estimated as of 31 December of the respective year.

[b] Preliminary.

[c] Including the value of basic herds.

Table 44

Average Annual Rate of Growth in Percent

USSR: Aggregate Factor Productivity

	1961-65 [a]	1966-70 [a]	1971-75 [a]	1976-80 [a]	1976	1977	1978	1979	1980	1981
Gross national product [b]	**5.0**	**5.2**	**3.7**	**2.7**	**4.8**	**3.2**	**3.4**	**0.8**	**1.2**	**1.8**
Factor productivity	**0.5**	**1.0**	**−0.5**	**−0.9**	**1.1**	**−0.5**	**−0.3**	**−2.6**	**−2.0**	**−1.3**
Manhours	3.4	3.2	2.0	1.3	3.6	1.7	1.7	−0.4	0.2	0.9
Capital	−3.5	−2.1	−4.0	−4.0	−2.4	−3.6	−3.2	−5.8	−5.0	−4.4
Land	4.4	5.6	2.9	2.7	4.8	3.4	3.4	0.8	1.2	1.8
Combined inputs [c]	**4.5**	**4.2**	**4.2**	**3.6**	**3.6**	**3.7**	**3.7**	**3.5**	**3.2**	**3.2**
Manhours	1.6	2.0	1.7	1.3	1.1	1.5	1.7	1.2	1.1	1.0
Capital	8.8	7.5	8.0	6.9	7.4	7.1	6.8	7.0	6.5	6.5
Land	0.6	−0.3	0.8	NEGL	NEGL	−0.2	NEGL	NEGL	NEGL	NEGL

[a] For computing average annual rates of growth, the base year is the year prior to the stated period.

[b] Based on indexes of GNP (1970 rubles), by sector of origin, at factor cost.

[c] Inputs of manhours, capital, and land are combined using weights of 55.8 percent, 41.2 percent, 3.0 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages, other income, and social insurance deductions), capital costs (depreciation and a calculated capital charge), and land rent in 1970, the base year for all indexes underlying the growth rate calculations.

Table 45

Average Annual Rate of Growth in Percent

USSR: Industrial Factor Productivity

	1961-65 [a]	1966-70 [a]	1971-75 [a]	1976-80 [a]	1976	1977	1978	1979	1980	1981
Industrial production	**6.6**	**6.3**	**5.9**	**3.4**	**3.9**	**4.0**	**3.5**	**3.0**	**2.9**	**2.0**
Factor productivity	**−0.3**	**0.5**	**1.0**	**−1.0**	**−1.3**	**−0.6**	**−0.7**	**−1.3**	**−1.0**	**−1.8**
Manhours	3.6	3.1	4.4	1.8	1.6	2.4	1.8	1.6	1.8	1.3
Capital	−4.4	−2.3	−2.6	−4.0	−4.5	−3.8	−3.3	−4.5	−3.9	−5.1
Combined inputs [b]	**6.9**	**5.7**	**4.9**	**4.5**	**5.3**	**4.6**	**4.2**	**4.4**	**3.9**	**3.7**
Manhours	2.9	3.1	1.5	1.6	2.2	1.5	1.7	1.3	1.1	0.7
Capital	11.4	8.8	8.7	7.7	8.8	8.1	7.0	7.9	7.1	7.2

[a] For computing the average annual rates of growth, the base year is the year prior to the stated period.

[b] Inputs of manhours and capital are combined using weights of 52.4 percent and 47.6 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (depreciation and a capital charge) in 1970, the base year for all indexes underlying the growth rate calculations.

Table 46

Average Annual Rate of Growth in Percent

USSR: Industrial Production, by Branch of Industry[a]

	1961-65[b]	1966-70[b]	1971-75[b]	1976-80[b]	1976	1977	1978	1979	1980	1981[c]
Industrial materials	6.8	5.8	5.4	2.6	3.6	2.9	2.8	1.0	2.5	1.6
Electricity	11.5	7.9	7.0	4.5	6.9	3.6	4.7	2.9	4.5	2.3
Fuels	6.3	5.0	5.0	3.3	3.7	4.2	3.1	3.0	2.3	0.9
Ferrous metals	7.2	5.1	4.0	1.1	2.7	0.7	2.2	NEGL	−0.3	0.2
Nonferrous metals	7.6	7.4	5.9	2.6	3.1	3.1	3.3	3.0	0.8	0.3
Wood, pulp, and paper products	2.6	2.9	2.6	−0.1	−0.1	0.5	−0.5	−2.9	2.8	2.2
Construction materials	5.4	5.7	5.4	1.8	3.5	1.9	2.4	0.3	1.0	1.2
Chemicals	12.0	8.9	8.6	3.8	4.8	5.2	3.6	0.2	5.2	3.5
Total machinery	7.4	6.9	7.9	5.3	5.5	5.6	5.6	5.6	4.4	2.6
Producer durables	8.9	7.8	8.6	5.9	6.4	6.5	6.3	6.0	4.1	1.5
Consumer durables	9.6	11.3	11.7	6.0	6.2	7.2	8.4	4.4	3.8	3.7
Nondurable consumer goods	4.8	6.4	3.4	1.6	1.2	3.3	0.6	2.6	0.1	2.1
Soft goods	2.6	7.2	2.7	2.6	4.2	2.5	2.6	1.8	2.0	2.5
Processed foods	6.8	5.9	3.9	0.7	−1.1	4.0	−1.1	3.3	−1.4	1.7
Total industrial production	**6.6**	**6.3**	**5.9**	**3.4**	**3.9**	**4.0**	**3.5**	**3.0**	**2.9**	**2.0**

[a] Based on CIA estimates rather than Soviet official series. The latter are believed to contain an upward bias in rates of growth because of double-counting and disguised inflation. The branch indexes shown above are formed by combining a sample of products in which intrabranch purchases have been excluded. The indexes for industrial materials, consumer nondurables, and total industrial production are formed by combining the component branch indexes using 1970 value-added weights.

[b] The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

[c] Preliminary.

Table 47

USSR: Hard Currency Trade, by Commodity [a]

	Million US $				Share of Total [b] Percent			
	1970	1975	1979	1980	1970	1975	1979	1980
Exports	2,424	8,280	19,417	23,584	19	25	30	31
Petroleum	430	3,391	9,585	11,995	29	41	43	43
Natural gas	14	220	1,404	2,704	27	34	44	48
Coal and coke	106	402	315	366	26	29	21	22
Machinery and equipment	193	647	1,574	1,466	7	10	14	12
Ferrous metals	137	164	216	246	10	6	7	7
Wood and wood products	389	739	1,370	1,500	47	39	51	49
Chemicals	64	243	542	746	19	26	37	37
Agricultural products	192	547	457	454	14	23	17	18
Diamonds	175	478	1,043	1,304	NA	NA	NA	NA
Other	724	1,449	2,911	2,803	18	17	19	17
Imports	2,984	14,577	21,405	26,052	25	39	37	38
Grain	101	2,323	3,279	4,360	75	87	95	89
Other agricultural products	657	1,760	2,854	4,400	30	27	28	35
Machinery and equipment	967	4,593	6,032	6,039	23	37	27	26
Rolled ferrous metals	303	2,627	3,536	3,606	51	79	79	78
Chemicals	215	722	1,190	1,545	50	54	58	53
Consumer goods	392	630	699	1,091	16	11	9	11
Other	349	1,922	3,815	5,011	20	12	46	47

[a] Including all countries trading with the Soviet Union on a hard currency basis as of 1 January 1980.

[b] The importance of hard currency trade is understated in Soviet statistics because of the favorable prices the USSR extends to CEMA countries.

Table 48

Million US $

USSR: Hard Currency Trade With Selected Non-Communist Countries, 1981 [a]

	Exports	Imports	Balance
Total	**79,377**	**73,158**	**6,219**
Developed countries	24,416	25,356	−940
Australia	16	750	−734
Austria	1,186	705	481
Canada	69	1,914	−1,845
Finland	3,183	3,785	−602
France	3,509	2,314	1,195
Italy	3,453	1,393	2,060
Japan	1,135	3,076	−1,941
Netherlands	1,417	637	780
Sweden	405	482	−77
Switzerland	460	691	−231
United Kingdom	897	1,193	−296
United States	255	2,310	−2,055
West Germany	4,709	3,644	1,065
Other	3,722	2,462	1,260
Less developed countries	11,608	10,630	978
OPEC	2,550	1,386	1,164
Iran	567	653	−86
Iraq	1,259	5	1,254
Libya	264	502	−238
Other	460	226	234
Non-OPEC	4,000	9,035	−5,035
Argentina	43	3,297	−3,254
Brazil	23	742	−719
India	1,479	1,854	−375
Other	2,455	3,142	−687
Unspecified	5,058	209	4,849

[a] Official Soviet trade data.

Table 49

Million US $

USSR: Hard Currency Balance of Payments

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [a]
Trade Balance	−250	−186	−500	−6,422	−3,300	−3,794	−2,036	−2,519	−4,000
Exports, f.o.b.	768	1,374	2,201	7,835	11,345	13,157	19,549	23,498	23,800
Imports, f.o.b.	1,018	1,560	2,701	14,257	14,645	16,951	21,585	26,017	27,800
Gold sales	200	550	0	725	1,618	2,522	1,490	1,780	2,700
Net interest	−2	−17	−83	−568	−846	−881	−799	−710	−1,300
Other invisibles and hard currency trade not included elsewhere [b]	−66	−46	605	1,551	3,300	3,523	5,140	4,900	5,000
Current account balance	**−118**	**301**	**22**	**−4,714**	**772**	**1,370**	**3,795**	**3,451**	**2,400**
Direct investment abroad [c]	0	0	0	−3	0	0	0	0	0
Borrowing from abroad [d]	88	41	291	5,402	906	784	1,672	71	2,825
Lending to other countries [e]	0	0	−25	395	280	−1,552	−2,826	234	140
Capital account balance	**88**	**41**	**266**	**5,794**	**1,186**	**−768**	**−1,154**	**305**	**2,965**
Errors and omissions [f]	30	−342	−288	−1,080	−1,958	−602	−2,641	−3,756	−5,365

[a] Estimated.

[b] Including estimated receipts from arms sales, official transfers, and net receipts from tourism and transportation.

[c] Estimated investment in Soviet banking operations in the West.

[d] Including Soviet drawings on Western credits and East European investment in construction of the Orenburg pipeline. Excludes borrowings by the International Investment Bank and International Bank for Economic Cooperation, which borrow on behalf of CEMA countries. The extent to which the USSR has borrowed (if at all) from these CEMA banks is unknown.

[e] Net change in Soviet assets held with Western commercial banks.

[f] Including Soviet hard currency aid to and trade with other CEMA countries and trade credits extended to finance Soviet exports..

Table 50 Billion US $

USSR: Hard Currency Debt to the West

	1971	1975	1976	1977	1978	1979	1980	1981[a]
Commercial debt	0.4	6.9	9.7	9.8	9.5	10.5	10.0	12.5
Medium and long term	NA	NA	NA	NA	6.4	7.2	6.1	6.8
Short term	NA	NA	NA	NA	3.1	3.3	3.9	5.8
Government-backed debt	1.4	3.6	5.0	5.8	6.9	7.6	8.1	8.4
Gross debt	1.8	10.5	14.7	15.6	16.4	18.1	18.1	20.9
Assets with Western banks	1.2	3.1	4.7	4.5	6.0	8.8	8.6	8.4
Net debt	0.6	7.4	10.0	11.1	10.4	9.3	9.5	12.5
Debt service	0.3	1.8	2.4	3.1	4.1	4.7	4.9	5.1
Debt-service ratio *(percent)*[b]	10	18	17	19	21	18	16	15

[a] Preliminary.

[b] Debt service as a share of commodity export earnings plus sales of arms, gold, interest receipts, net invisibles, and transfers.

Table 51 Million Troy Ounces

USSR: Gold Production and Reserves

	Production	Reserves		Production	Reserves
1965	5.33	29.61	1974	8.42	59.02
1966	5.69	33.01	1975	8.29	61.08
1967	5.94	36.84	1976	8.87	57.77
1968	6.23	41.37	1977	9.19	54.72
1969	6.59	46.77	1978	9.54	49.08
1970	7.00	52.43	1979	9.87	50.83
1971	7.20	57.77	1980	10.20	58.22
1972	7.81	59.22	1981	10.50	60.72
1973	8.03	56.16			

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Foreign Trade and Aid

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Table 52 Million US $

Exports by Selected Non-Communist Countries[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**83,794**	**126,331**	**221,903**	**573,675**	**725,008**	**865,852**	**1,062,187**	**1,251,941**	NA
United States[b]	19,651	26,751	42,659	107,130	121,230	143,680	181,860	220,630	233,680
Australia	2,050	3,005	4,771	11,943	13,352	14,416	18,667	22,031	21,767
Austria	1,120	1,600	2,857	7,519	9,808	12,175	15,483	17,489	15,838
Canada	5,834	8,471	16,747	34,073	43,545	48,429	58,298	67,556	72,638
Japan	4,055	8,452	19,318	55,727	81,083	98,353	102,299	130,436	151,495
New Zealand	847	1,007	1,223	2,160	3,196	3,738	4,706	5,421	5,618
Norway	881	1,443	2,457	7,232	8,880	10,882	13,546	18,542	17,988
Portugal	327	577	950	1,939	2,023	2,414	3,480	4,640	4,148
Spain	725	935	2,388	7,691	10,223	13,114	18,208	20,720	20,335
Sweden	2,565	3,971	6,795	17,384	19,082	21,786	27,602	30,911	28,411
Switzerland	1,859	2,941	5,063	12,953	17,614	23,560	26,538	29,632	27,049
Turkey	321	464	588	1,401	1,753	2,288	2,261	2,910	4,696
European Community	**42,487**	**65,158**	**113,634**	**300,715**	**385,042**	**461,797**	**577,277**	**665,946**	NA
Belgium-Luxembourg	3,792	6,394	11,600	28,802	37,538	44,947	56,700	64,654	55,628
Denmark	1,494	2,320	3,356	8,712	10,065	11,882	14,696	16,982	16,031
France	6,867	10,176	18,098	53,118	64,997	79,378	100,691	116,016	106,425
Greece	203	328	643	2,278	2,756	3,368	3,885	5,219	4,257
Ireland	426	619	1,120	3,193	4,404	5,691	7,170	8,500	7,787
Italy	3,653	7,200	13,207	34,816	45,305	56,067	72,232	77,679	75,289
Netherlands	4,028	6,398	11,774	35,097	43,700	50,124	63,702	73,940	68,745
United Kingdom	10,609	13,810	19,608	44,523	58,205	67,887	86,397	110,095	NA
West Germany	11,415	17,913	34,228	90,176	118,072	142,453	171,804	192,861	176,090
OPEC	**7,434**	**10,553**	**17,426**	**110,275**	**150,020**	**142,836**	**192,257**	**297,898**	NA
Algeria	394	637	1,009	4,691	6,116	6,315	9,483	13,660	11,816
Ecuador	146	164	221	987	1,216	1,502	2,173	2,506	2,542
Gabon	47	105	143	943	1,343	1,107	1,848	2,173	NA
Indonesia	841	708	1,108	7,102	10,853	11,643	15,590	21,908	22,260
Iran	844	1,305	2,624	20,211	24,260	22,200	19,876	14,278	9,443
Iraq	467	710	847	8,297	9,649	11,061	21,500	26,347	10,599
Kuwait	962	1,284	1,693	8,644	9,801	10,427	18,242	19,858	17,512
Libya	11	1,044	2,837	6,042	9,759	9,498	15,231	22,574	15,658
Nigeria	475	741	1,240	7,776	11,780	10,538	17,874	26,841	19,770
Qatar	126	163	235	1,809	2,000	2,317	3,720	5,672	5,691
Saudi Arabia	816	1,264	2,360	27,996	44,061	37,914	38,751	102,113	113,328
United Arab Emirates	NA	NA	510	6,977	9,637	9,126	13,652	20,747	20,215

Table 52 (continued)

Million US $

Exports by Selected Non-Communist Countries[a]

Venezuela	2,305	2,428	2,599	8,800	9,545	9,188	14,317	19,221	21,010
Other countries									
Argentina	1,079	1,493	1,773	2,961	5,652	6,400	7,810	8,021	NA
Bahamas	6	19	90	2,216	2,409	2,118	3,494	4,834	NA
Bahrain	190	165	218	1,203	1,845	1,892	2,485	3,602	4,283
Brazil	1,268	1,596	2,739	8,670	12,120	12,659	15,244	20,132	23,293
Cameroon	NA	139	232	474	704	803	1,123	1,384	NA
Chile	488	637	1,249	1,661	2,190	2,408	3,763	4,818	3,931
Colombia	465	539	736	1,465	2,443	3,038	3,232	3,925	2,916
Dominican Republic	180	126	249	894	780	676	869	962	1,188
Egypt	568	605	762	1,402	1,708	1,737	1,840	3,047	3,233
El Salvador	117	189	236	531	972	848	1,226	1,074	792
Guatemala	116	187	298	641	1,221	1,111	1,270	1,547	1,281
Hong Kong	689	1,143	2,515	6,019	9,624	11,497	15,147	19,720	21,830
India	1,332	1,687	2,026	4,406	6,378	6,671	7,806	8,242	7,300
Israel	217	430	779	1,941	3,084	3,921	4,546	5,538	5,670
Ivory Coast	157	277	469	1,181	2,157	2,322	2,514	NA	NA
Jamaica	159	214	340	852	768	820	818	963	994
Kenya	112	228	305	647	1,195	1,023	1,107	1,389	1,183
Lebanon	43	87	192	1,121	691	755	773	868	886
Malaysia	1,186	1,236	1,686	3,831	6,080	7,413	11,077	12,958	11,200
Mexico	765	1,120	1,403	2,904	4,518	5,958	8,982	15,570	NA
Morocco	354	430	488	1,543	1,302	1,508	1,959	2,441	NA
Pakistan	394	528	398	1,052	1,189	1,475	2,056	2,618	2,880
Peru	435	667	1,048	1,292	1,730	1,936	3,484	3,892	3,180
Philippines	624	698	1,041	2,270	3,127	3,401	4,567	5,741	5,655
Singapore	1,136	981	1,554	5,376	8,241	10,134	14,240	19,378	20,967
South Africa[c]	1,995	2,585	3,355	8,959	9,987	12,875	18,397	25,680	20,856
South Korea	33	175	835	5,081	10,047	12,718	15,055	17,505	21,254
Sri Lanka	385	409	342	566	753	845	981	1,074	1,065
Syria	113	169	203	930	1,070	1,060	1,644	2,108	NA
China (Taiwan)	164	450	1,428	5,301	13,499	17,360	20,883	25,650	30,576
Thailand	411	622	710	2,208	3,490	4,085	5,298	6,505	7,032
Tunisia	120	120	183	856	929	1,126	1,791	2,198	2,485
Zaire	480	306	781	865	988	925	1,323	1,632	662
Zambia	577	533	1,001	810	897	844	1,376	1,400	1,005

[a] Data are from the International Monetary Fund, *International Financial Statistics*. Exports are f.o.b.

[b] Excluding Department of Defense shipments.

[c] Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 53 Million US $

Imports by Selected Non-Communist Countries [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**87,223**	**133,978**	**231,140**	**601,761**	**789,506**	**908,593**	**1,164,265**	**1,397,317**	NA
United States	16,367	23,185	42,429	103,389	160,411	186,045	222,228	256,984	273,352
Australia	2,662	3,763	5,056	11,097	13,515	15,568	18,231	22,479	26,185
Austria	1,416	2,101	3,549	9,394	14,487	16,019	20,255	24,444	21,052
Canada	6,163	8,687	14,255	36,208	42,257	46,546	56,957	62,700	69,926
Japan	4,491	8,168	18,881	57,839	71,340	79,923	109,831	141,290	142,866
New Zealand	786	1,052	1,245	3,152	3,361	3,491	4,553	5,473	5,734
Norway	1,463	2,211	3,702	9,705	12,883	11,497	13,706	16,926	15,644
Portugal	545	924	1,583	3,841	4,951	5,237	6,534	9,309	9,800
Spain	722	3,040	4,747	16,264	17,836	18,712	25,438	34,078	32,154
Sweden	2,901	4,377	7,007	17,450	20,140	20,589	28,735	33,497	28,782
Switzerland	2,206	3,642	6,374	13,303	17,940	23,804	29,356	36,342	30,682
Turkey	468	572	948	4,739	5,796	4,600	5,070	7,667	8,968
European Community	**45,862**	**70,473**	**118,571**	**307,270**	**396,376**	**468,016**	**611,147**	**729,192**	NA
Belgium-Luxembourg	3,970	6,502	11,412	30,779	40,406	48,609	60,913	71,863	62,109
Denmark	1,805	2,823	4,407	10,368	13,265	14,809	18,402	19,428	17,576
France	6,282	10,384	19,132	53,964	70,497	81,795	107,008	134,873	120,953
Greece	702	1,134	1,958	5,321	6,854	7,829	9,614	10,547	8,592
Ireland	634	1,041	1,624	3,778	5,396	7,121	9,883	11,154	10,603
Italy	4,732	7,378	14,969	38,367	48,090	56,459	77,893	99,476	91,104
Netherlands	4,531	7,471	13,426	35,604	45,891	53,826	68,188	78,041	67,333
United Kingdom	13,034	16,128	21,696	54,159	64,519	75,813	99,600	115,808	NA
West Germany	10,172	17,612	29,947	74,930	101,458	121,755	159,646	188,002	163,914
O2EC	**5,403**	**6,359**	**9,916**	**52,040**	**85,698**	**96,104**	**98,893**	**135,477**	**159,889**
Algeria	1,264	672	1,257	6,008	7,125	8,681	8,403	10,826	10,626
Ecuador	114	165	274	987	1,508	1,630	1,986	2,250	2,246
Gabon	32	63	80	445	716	617	532	673	928
Indonesia	574	695	1,002	4,770	6,230	6,690	7,202	10,834	13,272
Iran	560	859	1,662	10,343	14,645	13,549	9,738	12,246	12,473
Iraq	389	457	510	4,214	3,899	4,213	7,006	13,642	18,704
Kuwait	242	377	625	2,390	4,840	4,595	5,200	6,530	8,554
Libya	169	320	555	3,542	3,773	4,603	5,311	9,923	15,466
Nigeria	604	770	1,059	6,041	11,095	12,844	10,211	16,374	18,564
Qatar	32	70	65	413	1,225	1,184	1,425	1,440	1,526
Saudi Arabia	234	506	711	4,214	14,656	20,349	24,257	30,166	35,268
United Arab Emirates	NA	NA	267	2,669	5,048	5,364	6,952	8,746	9,823

Table 53 (continued)

Million US $

Imports by Selected Non-Communist Countries [a]

Venezuela	1,189	1,405	1,849	6,004	10,938	11,785	10,670	11,827	12,439
Other countries									
Argentina	1,249	1,199	1,694	3,947	4,162	3,834	6,700	10,541	NA
Bahamas	66	105	332	2,482	2,788	2,453	3,949	5,481	NA
Bahrain	180	168	247	1,198	2,029	2,045	2,478	3,484	NA
Brazil	1,462	1,096	2,849	13,592	13,257	15,054	19,804	24,961	24,079
Cameroon	NA	152	242	599	783	1,056	1,275	1,602	NA
Chile	526	604	941	1,535	2,259	3,002	4,218	5,821	6,378
Colombia	519	454	843	1,495	2,028	2,836	3,233	4,739	5,201
Dominican Republic	100	97	304	889	975	987	1,213	1,640	1,668
Egypt	668	993	787	3,934	4,815	6,727	3,837	4,860	8,782
El Salvador	122	201	213	614	930	1,027	1,039	971	986
Guatemala	121	229	284	733	1,053	1,286	1,504	1,598	1,774
Hong Kong	1,026	1,569	2,905	6,757	10,455	13,449	17,137	22,395	24,796
India	2,303	2,838	2,124	6,381	6,647	7,865	9,828	14,341	13,907
Israel	551	838	2,086	5,997	5,778	7,506	8,736	9,764	NA
Ivory Coast	131	236	388	1,127	1,756	2,326	2,492	NA	NA
Jamaica	217	289	522	1,124	860	891	993	1,171	1,498
Kenya	196	282	442	987	1,285	1,710	1,660	2,332	1,939
Lebanon	290	543	653	2,048	1,539	1,922	2,700	3,650	3,499
Malaysia	910	1,097	1,418	3,554	4,542	5,928	7,849	10,820	11,581
Mexico	1,187	1,560	2,461	6,571	5,883	7,555	12,086	19,460	24,068
Morocco	413	453	684	2,567	3,199	2,970	3,678	4,258	NA
Pakistan	654	1,047	731	2,158	2,446	3,285	4,056	5,350	5,412
Peru	379	730	622	2,551	1,911	1,959	1,820	2,500	3,420
Philippines	715	894	1,236	3,756	4,270	5,144	6,571	8,295	8,479
Singapore	1,332	1,224	2,461	8,133	10,471	13,061	17,643	24,007	27,572
South Africa [b]	1,629	2,563	3,843	8,293	6,270	7,615	8,989	19,246	22,616
South Korea	344	463	1,984	7,274	10,811	14,972	20,339	22,297	26,131
Sri Lanka	413	310	386	753	695	967	1,451	2,022	1,838
Syria	239	213	361	1,685	2,674	2,459	3,329	4,124	NA
China (Taiwan)	297	558	1,528	5,960	12,306	15,132	19,211	25,593	28,692
Thailand	447	742	1,299	3,280	4,617	5,356	7,158	9,214	9,932
Tunisia	191	246	306	1,424	1,825	2,138	2,849	3,540	3,994
Zaire	235	292	536	905	609	589	597	835	668
Zambia	495	341	559	1,138	787	730	906	1,309	670

[a] Data are from the International Monetary Fund, *International Financial Statistics*. Imports are c.i.f.

[b] Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 54

Million US $

Trade Balance of Selected Non-Communist Countries

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**−3,429**	**−7,647**	**−9,237**	**−28,086**	**−64,498**	**−42,741**	**−102,078**	**−145,376**	NA
United States	3,284	3,567	230	3,741	−39,181	−42,365	−40,368	−36,354	−39,672
Australia	−612	−758	−285	846	−163	−1,152	436	−448	−4,418
Austria	−296	−501	−692	−1,875	−4,679	−3,844	−4,772	−6,955	−5,214
Canada	−329	−216	2,492	−2,135	1,288	1,883	1,341	4,856	2,712
Japan	−436	284	437	−2,112	9,743	18,430	−7,532	−10,854	8,629
New Zealand	61	−45	−22	−922	−165	247	−153	−52	−116
Norway	−582	−768	−1,245	−2,473	−4,003	−615	−160	1,616	2,344
Portugal	−218	−347	−633	−1,902	−2,928	−2,823	−3,054	−4,669	−1,586
Spain	3	−2,105	−2,359	−8,573	−7,613	−5,598	−7,230	−13,358	−11,819
Sweden	−336	−406	−212	−66	−1,058	1,197	−1,133	−2,533	−2,586
Switzerland	−347	−701	−1,311	−350	−326	−244	−2,818	−6,710	−3,633
Turkey	−147	−108	−360	−3,338	−4,043	−2,312	−2,809	−4,035	−4,272
European Community	**−3,375**	**−5,315**	**−4,937**	**−6,555**	**−11,334**	**−6,219**	**−33,870**	**−63,246**	NA
Belgium-Luxembourg	−178	−108	188	−1,977	−2,868	−3,662	−4,213	−7,209	−6,481
Denmark	−311	−503	−1,051	−1,656	−3,200	−2,927	−3,706	−2,446	−1,545
France	585	−208	−1,034	−846	−5,500	−2,417	−6,317	−18,857	−14,528
Greece	−499	−806	−1,315	−3,043	−4,098	−4,461	−5,729	−5,328	−4,335
Ireland	−208	−422	−504	−585	−992	−1,430	−2,713	−2,654	−2,816
Italy	−1,079	−178	−1,762	−3,551	−2,785	−392	−5,661	−25,536	−15,815
Netherlands	−503	−1,073	−1,652	−507	−2,191	−3,702	−4,486	−4,101	1,412
United Kingdom	−2,425	−2,318	−2,088	−9,636	−6,314	−7,926	−13,203	−5,713	NA
West Germany	1,243	301	4,281	15,246	16,614	20,698	12,158	4,859	12,176
OPEC	**2,031**	**4,194**	**7,510**	**58,235**	**64,322**	**46,732**	**93,364**	**162,421**	NA
Algeria	−870	−35	−248	−1,317	−1,009	−2,366	1,080	2,834	1,190
Ecuador	32	−1	−53	0	−292	−128	187	256	296
Gabon	15	42	63	498	627	490	1,316	1,500	NA
Indonesia	267	13	106	2,332	4,623	4,953	8,388	11,074	8,988
Iran	284	446	962	9,868	9,615	8,651	10,138	2,032	−3,030
Iraq	78	253	337	4,083	5,750	6,848	14,494	12,705	−8,105
Kuwait	720	907	1,068	6,254	4,961	5,832	13,042	13,328	8,958
Libya	−158	724	2,282	2,500	5,986	4,895	9,920	12,651	192
Nigeria	−129	−29	181	1,735	685	−2,306	7,663	10,467	1,206
Qatar	94	93	170	1,396	775	1,133	2,295	4,232	4,165
Saudi Arabia	582	758	1,649	23,782	29,405	17,565	34,314	71,947	78,060
United Arab Emirates	NA	NA	243	4,308	4,589	3,762	6,700	12,001	10,392

Table 54 (continued) Million US $

Trade Balance by Selected Non-Communist Countries [a]

Venezuela	1,116	1,023	750	2,796	−1,393	−2,597	3,647	7,394	8,571
Other countries									
Argentina	−170	294	79	−986	1,490	2,566	1,110	−2,520	NA
Bahamas	−60	−86	−242	−266	−379	−335	−455	−647	NA
Bahrain	10	−3	−29	5	−184	−153	7	118	NA
Brazil	−194	500	−110	−4,922	−1,137	−2,395	−4,560	−4,829	−786
Cameroon	NA	−13	−10	−125	−79	−253	−152	−218	NA
Chile	−38	33	308	126	−69	−594	−455	−1,003	−2,447
Colombia	−54	85	−107	−30	415	202	−1	−814	−2,285
Dominican Republic	80	29	−55	5	−195	−311	−344	−678	−480
Egypt	−100	−328	−25	−2,532	−3,107	−4,990	−1,997	−1,813	−5,549
El Salvador	−5	−12	−23	−83	42	−179	187	103	−194
Guatemala	−5	−42	14	−92	168	−175	−234	−51	−493
Hong Kong	−337	−426	−390	−738	−881	−1,952	−1,990	−2,675	−2,966
India	−971	−1,151	−98	−1,975	−269	−1,194	−2,022	−6,099	−6,607
Israel	−334	−408	−1,307	−4,056	−2,694	−3,585	−4,190	−4,226	NA
Ivory Coast	26	41	81	54	401	−4	22	NA	NA
Jamaica	−58	−75	−182	−272	−92	−71	−175	−208	−504
Kenya	−84	−54	−137	−340	−90	−687	−553	−756	−756
Lebanon	−247	−456	−461	−927	−848	−1,167	−1,927	−2,782	−2,613
Malaysia	276	139	268	277	1,538	1,485	3,228	2,138	−381
Mexico	−422	−440	−1,058	−3,667	−1,365	−1,597	−3,104	−3,890	NA
Morocco	−59	−23	−196	−1,024	−1,897	−1,462	−1,719	−1,817	NA
Pakistan	−260	−519	−333	−1,106	−1,257	−1,810	−2,000	−2,732	−2,532
Peru	56	−63	426	−1,259	−181	−23	1,664	1,392	−240
Philippines	−91	−196	−195	−1,486	−1,143	−1,743	−2,004	−2,554	−2,824
Singapore	−196	−243	−907	−2,757	−2,230	−2,927	−3,403	−4,629	−6,605
South Africa [a]	366	22	−288	666	3,717	5,260	9,408	6,434	−1,760
South Korea	−311	−288	−1,149	−2,193	−764	−2,254	−5,284	−4,792	−4,877
Sri Lanka	−28	99	−44	−187	58	−122	−470	−948	−773
Syria	−126	−44	−158	−755	−1,604	−1,399	−1,685	−2,016	NA
China (Taiwan)	−133	−108	−100	−659	1,193	2,228	1,672	57	1,884
Thailand	−36	−120	−589	−1,072	−1,127	−1,271	−1,860	−2,709	−2,900
Tunisia	−71	−126	−123	−568	−896	−1,012	−1,058	−1,342	−1,509
Zaire	245	14	245	−40	379	336	726	797	−6
Zambia	82	192	442	−328	110	114	491	91	335

[a] Including data for Botswana, Lesotho, Namibia, and Swaziland.

Table 55 Million US $

Big Seven: Direction of Trade [a]

	Exports to (f.o.b.)						Imports from (c.i.f.)					
	World	Big Seven	Other OECD	OPEC	Com-munist	Other	World	Big Seven	Other OECD	OPEC	Com-munist	Other
United States												
1975	107,655	46,941	16,247	10,768	3,376	30,323	103,417	49,807	8,832	18,699	984	25,095
1976	115,006	51,299	17,675	12,568	3,639	29,825	129,566	60,387	9,752	27,168	1,161	31,098
1977	119,430	54,548	18,958	14,019	2,716	29,187	153,511	70,747	11,228	35,603	1,440	34,492
1978	141,423	62,872	21,264	16,655	4,535	36,096	180,351	87,466	14,651	35,579	1,984	40,672
1979	178,735	79,769	28,780	15,110	7,418	47,659	215,903	97,799	16,643	48,227	2,684	50,549
1980	216,445	92,836	34,893	17,763	7,648	63,304	249,592	107,737	19,386	58,091	2,735	61,643
1981	229,433	96,803	35,465	21,533	7,963	67,669	264,720	123,652	20,498	51,793	3,766	65,011
Japan												
1975	55,728	16,559	6,067	8,416	5,166	19,523	57,847	16,932	6,081	19,402	3,364	12,069
1976	67,319	22,610	8,588	9,274	4,942	21,906	64,891	17,584	7,776	21,885	2,913	14,735
1977	78,508	28,034	9,720	12,026	5,334	23,394	70,028	18,877	7,923	24,325	3,412	15,491
1978	94,721	34,903	10,432	14,244	6,928	28,213	78,136	22,958	9,287	24,671	4,004	17,217
1979	97,952	37,548	10,167	13,272	7,479	29,485	107,377	30,676	10,761	36,049	5,484	24,407
1980	125,249	46,940	13,197	18,597	9,489	37,026	138,975	36,035	11,566	56,753	6,902	27,719
1981	146,101	56,115	15,560	22,824	9,770	41,833	140,358	36,891	12,608	54,866	7,872	28,120
West Germany												
1975	93,293	28,332	36,444	6,783	10,399	11,335	77,634	27,088	27,782	8,236	6,226	8,302
1976	105,334	33,438	41,864	8,249	10,427	11,356	91,228	31,281	32,636	9,727	7,472	10,112
1977	117,781	39,003	48,006	10,777	7,304	12,690	100,886	36,391	37,372	10,119	4,922	12,082
1978	142,099	48,522	56,947	12,254	8,887	15,489	121,095	45,043	46,300	9,683	6,329	13,741
1979	171,281	61,682	69,829	10,486	10,402	18,881	158,765	58,748	58,954	14,787	8,819	17,456
1980	192,278	69,998	77,540	12,545	10,785	21,410	186,807	69,543	67,176	20,590	9,623	19,875
1981	175,540	63,416	66,924	15,398	8,777	21,025	162,828	62,056	58,711	16,645	8,565	16,850
France												
1975	52,875	20,004	15,501	4,897	3,130	9,342	53,988	23,040	14,332	9,435	1,989	5,191
1976	57,054	22,489	16,153	5,080	3,232	10,100	64,384	27,812	16,930	11,360	2,240	6,044
1977	64,801	25,897	18,182	5,964	2,990	11,768	70,352	30,278	18,244	11,815	2,462	7,554
1978	79,163	32,747	21,705	6,501	3,290	14,920	81,611	36,564	22,129	11,887	2,807	8,224
1979	100,381	42,012	28,062	7,606	4,528	18,173	106,708	47,009	28,434	16,653	3,712	10,900
1980	115,679	46,227	31,694	9,831	5,284	22,643	134,469	56,336	33,760	25,133	5,813	13,426
1981	106,103	41,199	27,317	10,895	4,521	22,172	120,543	50,165	29,731	22,332	5,527	12,789

Table 55 (continued)

Million US $

Big Seven: Direction of Trade [a]

	Exports to (f.o.b.)						Imports from (c.i.f.)					
	World	Big Seven	Other OECD	OPEC	Communist	Other	World	Big Seven	Other OECD	OPEC	Communist	Other
United Kingdom												
1975	44,033	12,546	16,591	4,546	1,559	8,788	53,350	18,470	18,515	6,914	1,676	7,774
1976	46,118	14,027	17,535	5,130	1,390	8,036	55,563	19,656	18,811	7,290	2,081	7,723
1977	57,931	17,289	22,203	6,773	1,633	10,033	63,822	24,032	21,380	6,324	2,420	9,666
1978	67,683	20,139	24,973	8,437	2,111	12,023	75,543	30,586	26,158	6,377	2,555	9,867
1979	86,148	29,889	32,308	6,981	2,610	14,360	99,141	42,247	35,209	6,723	2,582	12,380
1980	109,855	38,296	40,134	10,330	3,146	17,949	115,190	48,795	39,230	9,898	2,547	14,717
1981	102,462	36,706	35,062	11,454	2,684	16,556	98,846	41,008	35,350	7,585	2,370	12,531
Italy												
1975	34,840	15,610	7,860	3,717	2,463	5,189	38,392	17,324	6,747	7,846	2,088	4,389
1976	36,972	17,406	8,688	4,233	2,184	4,459	43,430	19,352	8,043	8,120	2,650	5,265
1977	45,260	21,023	10,265	5,872	2,464	5,635	48,012	21,103	8,801	9,049	2,822	6,236
1978	55,967	27,012	12,260	7,028	2,737	6,930	56,327	25,348	10,701	10,004	3,200	7,074
1979	72,100	35,032	16,723	7,767	3,062	9,516	77,652	34,376	14,979	13,597	4,365	10,335
1980	77,540	36,082	17,382	9,815	3,115	11,146	99,125	44,002	18,496	17,667	5,866	13,094
1981	75,130	32,666	15,116	12,804	2,902	11,642	90,819	37,480	16,241	19,491	5,190	12,416
Canada												
1975	33,841	26,300	1,725	712	1,198	3,907	38,592	29,782	1,703	3,430	325	3,353
1976	40,176	32,015	2,032	813	1,253	4,063	43,046	33,549	1,821	3,485	379	3,815
1977	43,485	34,985	2,196	1,198	1,078	4,028	44,765	35,945	1,788	3,053	336	3,644
1978	48,339	38,602	2,059	1,333	1,425	4,920	49,158	40,067	1,972	2,913	373	3,833
1979	58,207	45,700	3,034	1,382	1,732	6,359	60,347	49,079	2,368	3,252	537	5,110
1980	67,341	50,631	4,332	1,813	2,838	7,726	66,457	52,443	2,671	4,902	549	5,891
1981	72,431	55,456	3,903	2,044	2,969	8,058	73,869	58,376	2,855	5,180	666	6,791

[a] Data are from the International Monetary Fund, *Direction of Trade*. Country totals in this table do not agree with totals in Tables 52 and 53 because of different practices of reporting data in the *International Financial Statistics* and the *Direction of Trade*.

Table 56 Million US $

Big Seven: Exports, by Commodity

	1970	1975	1977	1978	1979	1980
Big Seven	**163,218**	**415,790**	**525,724**	**631,356**	**766,991**	**904,097**
Foodstuffs	15,946	44,765	51,047	63,306	76,004	90,033
Raw materials	13,319	24,164	30,277	33,768	45,801	58,043
Fuels	5,274	18,085	20,677	23,403	36,383	48,554
Manufactures	124,555	318,916	410,778	495,235	589,732	683,801
Other	4,124	9,862	12,946	15,649	19,076	23,671
United States	**43,226**	**107,652**	**120,163**	**143,660**	**176,774** [a]	**216,916**
Foodstuffs	6,919	21,105	22,710	28,709	33,253	39,392
Raw materials	4,114	7,538	8,588	10,765	15,310	20,063
Fuels	1,695	4,481	4,199	3,980	5,683	8,134
Manufactures	28,762	70,961	80,821	95,730	117,402	143,411
Other	1,736	3,568	3,847	4,478	5,127	5,917
Canada	**16,185**	**32,300**	**41,293**	**44,080**	**55,117**	**63,105**
Foodstuffs	1,975	4,399	4,811	5,038	6,287	7,773
Raw materials	4,850	7,450	10,140	10,170	13,224	15,519
Fuels	978	5,334	5,171	4,815	7,281	9,010
Manufactures	8,262	14,842	20,947	23,829	28,040	30,487
Other	119	276	223	227	286	316
Japan	**19,319**	**55,728**	**80,470**	**97,501**	**102,964**	**129,542**
Foodstuffs	674	808	945	1,167	1,323	1,704
Raw materials	433	1,262	1,351	1,366	1,520	2,218
Fuels	48	220	156	261	356	504
Manufactures	17,965	52,638	77,288	93,848	98,651	123,707
Other	200	800	731	860	1,114	1,411
West Germany	**34,189**	**90,021**	**117,932**	**142,090**	**171,437**	**191,647**
Foodstuffs	1,188	4,241	5,902	6,912	8,598	10,146
Raw materials	1,192	2,643	3,350	3,878	5,246	6,512
Fuels	1,011	2,813	3,120	4,509	5,685	7,143
Manufactures	30,232	78,706	103,172	124,047	148,695	162,431
Other	565	1,618	2,389	2,744	3,213	5,415
France	**17,739**	**51,604**	**63,363**	**76,494**	**97,959**	**110,865**
Foodstuffs	2,803	8,069	9,233	11,896	14,538	17,796
Raw materials	1,199	2,628	3,238	3,734	4,920	5,853
Fuels	376	1,410	1,893	2,047	3,490	4,485

Table 56 (continued) **Million US $**

Big Seven: Exports, by Commodity

	1970	1975	1977	1978	1979	1980
Manufactures	13,147	39,052	48,316	58,488	74,576	82,102
Other	214	445	684	330	434	630
United Kingdom	**19,351**	**43,660**	**57,439**	**71,483**	**90,504**	**114,380**
Foodstuffs	1,259	3,221	3,980	5,709	6,414	7,774
Raw materials	1,190	1,961	2,468	2,876	4,298	6,417
Fuels	496	1,798	3,609	4,497	9,134	14,882
Manufactures	15,151	33,682	42,323	51,658	62,527	76,015
Other	1,253	2,998	5,059	6,743	8,132	9,293
Italy	**13,210**	**34,825**	**45,062**	**56,048**	**72,237**	**77,640**
Foodstuffs	1,127	2,921	3,466	3,876	5,592	5,448
Raw materials	341	682	1,142	978	1,282	1,462
Fuels	669	2,030	2,530	3,295	4,754	4,395
Manufactures	11,036	29,035	37,912	47,633	59,839	65,646
Other	37	157	13	267	770	689

[a] Does not include about $5 billion in non-monetary gold.

Million US $

Table 57

Big Seven: Imports, by Commodity

	1970	1975	1977	1978	1979	1980
Big Seven	**157,592**	**408,071**	**539,211**	**629,790**	**823,350**	**984,149**
Foodstuffs	27,228	60,387	75,501	85,237	101,174	106,733
Raw materials	27,828	45,582	57,101	63,630	87,010	100,854
Fuels	17,018	101,364	132,710	135,166	198,331	280,218
Manufactures	81,261	190,483	261,396	329,210	416,861	471,370
Other	4,260	10,255	12,503	16,547	19,984	24,985
United States	**39,962**	**96,941**	**147,847**	**173,290**	**217,455**	**250,280**
Foodstuffs	6,446	10,518	14,680	16,287	19,955	20,572
Raw materials	4,687	8,116	11,381	13,777	16,253	17,503
Fuels	3,081	26,403	44,198	42,018	63,735	82,204
Manufactures	23,988	48,526	73,264	95,895	111,907	123,081
Other	1,761	3,377	4,323	5,309	5,608	6,921
Canada	**13,348**	**33,954**	**39,485**	**41,697**	**52,622**	**57,707**
Foodstuffs	1,153	2,817	3,303	3,381	3,837	4,301
Raw materials	727	1,578	1,639	1,775	2,701	3,635
Fuels	749	4,090	3,920	3,770	4,884	7,143
Manufactures	10,518	25,071	30,116	32,268	40,422	41,638
Other	202	397	506	503	778	990
Japan	**18,883**	**57,840**	**70,560**	**78,731**	**110,108**	**139,892**
Foodstuffs	3,195	10,344	11,872	13,250	16,611	16,849
Raw materials	7,188	11,421	14,340	15,974	23,509	26,120
Fuels	3,906	25,641	31,149	31,336	45,286	69,991
Manufactures	4,381	9,849	12,442	16,782	22,783	25,204
Other	213	584	759	1,392	1,922	1,729
West Germany	**29,814**	**74,208**	**100,701**	**120,668**	**157,682**	**185,922**
Foodstuffs	5,524	12,092	16,245	18,368	20,864	22,749
Raw materials	5,109	8,095	10,069	11,056	14,823	17,798
Fuels	2,627	13,099	17,230	19,538	30,957	41,904
Manufactures	15,608	38,760	54,653	68,684	87,197	98,269
Other	947	2,163	2,506	3,023	3,843	5,204
France	**18,922**	**53,606**	**70,276**	**81,865**	**106,711**	**134,328**
Foodstuffs	2,798	6,921	9,794	11,500	12,765	13,815
Raw materials	2,675	5,050	6,159	6,532	8,962	10,737
Fuels	2,291	12,260	15,089	15,937	22,949	35,726

Table 57 (continued)

Million US $

Big Seven: Imports, by Commodity

	1970	1975	1977	1978	1979	1980
Manufactures	11,103	29,210	38,994	47,453	61,380	72,869
Other	55	165	240	443	657	1,184
United Kingdom	**21,724**	**53,595**	**63,658**	**78,425**	**102,613**	**117,902**
Foodstuffs	5,267	10,345	11,388	12,806	15,092	15,564
Raw materials	4,342	6,048	6,922	6,991	9,633	12,437
Fuels	2,270	9,613	9,123	9,220	12,174	15,912
Manufactures	8,804	24,180	32,229	43,823	58,894	65,474
Other	1,042	3,409	3,995	5,585	6,822	8,517
Italy	**14,939**	**37,928**	**46,683**	**55,115**	**76,158**	**98,119**
Foodstuffs	2,846	7,350	8,219	9,647	12,050	12,883
Raw materials	3,100	5,274	6,590	7,525	11,130	12,624
Fuels	2,095	10,258	12,002	13,346	18,346	27,338
Manufactures	6,859	14,888	19,699	24,306	34,278	44,836
Other	40	159	173	291	354	439

Table 58

Million US $

Big Seven: Trade Balance, by Commodity

	1970	1975	1977	1978	1979	1980
Big Seven	**5,626**	**7,719**	**−13,487**	**1,567**	**−56,359**	**−80,053**
Foodstuffs	−11,282	−15,622	−24,454	−21,931	−25,170	−16,700
Raw materials	−14,508	−21,418	−26,824	−29,862	−41,209	−42,811
Fuels	−11,744	−83,279	−112,033	−111,763	−161,948	−231,664
Manufactures	43,294	128,433	149,382	166,024	172,871	212,431
Other	−136	−393	444	−898	−908	−1,314
United States	**3,264**	**10,711**	**−27,684**	**−29,630**	**−40,682**	**−33,364**
Foodstuffs	473	10,587	8,030	12,422	13,298	18,820
Raw materials	−573	−578	−2,793	−3,012	−943	2,560
Fuels	−1,386	−21,923	−39,999	−38,038	−58,053	−74,070
Manufactures	4,774	22,435	7,557	−165	5,496	20,330
Other	−24	191	−476	−831	−487	−1,004
Canada	**2,836**	**−1,654**	**1,808**	**2,383**	**2,495**	**5,398**
Foodstuffs	823	1,582	1,508	1,658	2,450	3,472
Raw materials	4,123	5,872	8,501	8,395	10,523	11,884
Fuels	229	1,243	1,251	1,045	2,396	1,867
Manufactures	−2,255	−10,229	−9,169	−8,439	−12,382	−11,151
Other	−83	−121	−283	−276	−492	−675
Japan	**437**	**−2,112**	**9,910**	**18,770**	**−7,144**	**−10,349**
Foodstuffs	−2,521	−9,536	−10,927	−12,083	−15,288	−15,145
Raw materials	−6,755	−10,158	−12,989	−14,608	−21,988	−23,902
Fuels	−3,858	−25,422	−30,993	−31,076	−44,930	−69,488
Manufactures	13,584	42,788	64,846	77,067	75,869	98,502
Other	−13	216	−28	−532	−808	−319
West Germany	**4,375**	**15,814**	**17,232**	**21,422**	**13,755**	**5,725**
Foodstuffs	−4,335	−7,850	−10,343	−11,456	−12,266	−12,603
Raw materials	−3,917	−5,452	−6,719	−7,177	−9,577	−11,286
Fuels	−1,616	−10,286	−14,110	−15,030	−25,272	−34,761
Manufactures	14,624	39,946	48,519	55,363	61,498	64,162
Other	−382	−545	−117	−279	−630	211
France	**−1,184**	**−2,002**	**−6,912**	**−5,370**	**−8,752**	**−23,463**
Foodstuffs	5	1,148	−561	396	−1,773	3,981
Raw materials	−1,476	−2,422	−2,922	−2,798	−4,041	−4,884
Fuels	−1,915	−10,850	−13,197	−13,890	−19,458	−31,241

Table 58 (continued) **Million US $**

Big Seven: Trade Balance, by Commodity

	1970	1975	1977	1978	1979	1980
Manufactures	2,044	9,842	9,322	11,035	13,196	9,234
Other	158	280	444	−113	−223	−554
United Kingdom	**−2,373**	**−9,935**	**−6,219**	**−6,941**	**−12,110**	**−3,522**
Foodstuffs	−4,007	−7,124	−7,408	−7,096	−8,678	−7,790
Raw materials	−3,151	−4,087	−4,454	−4,115	−5,334	−6,019
Fuels	−1,773	−7,815	−5,514	−4,724	−3,040	−1,030
Manufactures	6,348	9,502	10,094	7,835	3,632	10,541
Other	211	−412	1,064	1,158	1,310	776
Italy	**−1,729**	**−3,103**	**−1,621**	**934**	**−3,921**	**−20,478**
Foodstuffs	−1,719	−4,428	−4,753	−5,771	−6,459	−7,435
Raw materials	−2,760	−4,592	−5,448	−6,547	−9,848	−11,163
Fuels	−1,426	−8,227	−9,472	−10,051	−13,592	−22,942
Manufactures	4,177	14,147	18,213	23,327	25,561	20,811
Other	−3	−2	−160	−24	416	250

Table 59

1970=100

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade [a]

	1973	1974	1975	1976	1977	1978	1979	1980
Non-OPEC LDCs								
Export	**139**	**191**	**185**	**194**	**226**	**233**	**274**	**315**
Import	**137**	**206**	**217**	**217**	**230**	**254**	**304**	**375**
Terms of Trade	**101**	**93**	**85**	**89**	**98**	**92**	**90**	**84**
Brazil								
Export	150	189	189	217	266	244	268	285
Import	139	210	217	224	232	247	297	380
Terms of Trade	108	90	87	97	115	99	90	75
Colombia								
Export	132	172	175	257	376	315	310	347
Import	126	158	173	180	192	215	238	260
Terms of Trade	105	109	101	143	196	147	130	133
El Salvador								
Export	129	161	164	241	317	266	302	NA
Import	126	179	197	193	193	215	240	NA
Terms of Trade	102	90	83	125	164	124	126	NA
Ethiopia								
Export	128	138	123	219	222	221	239	219
Import	135	147	155	164	177	197	212	NA
Terms of Trade	95	94	79	134	125	112	113	NA
India								
Export	132	160	172	170	199	211	230	NA
Import	127	194	226	219	201	224	292	NA
Terms of Trade	104	82	76	78	99	94	79	NA
Jordan								
Export	123	256	291	253	245	259	280	332
Import	145	189	259	223	251	251	285	347
Terms of Trade	85	135	112	113	985	103	98	96
Kenya								
Export	124	156	175	206	297	269	297	360
Import	133	179	221	225	245	278	334	440
Terms of Trade	93	87	79	92	121	97	89	82
Malaysia								
Export	157	220	183	214	246	273	368	414
Import	163	234	249	239	254	276	313	378
Terms of Trade	96	94	73	90	97	99	118	110
Mauritius								
Export	154	364	454	336	332	350	395	454

Table 59 (continued)

1970=100

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade [a]

	1973	1974	1975	1976	1977	1978	1979	1980
Import	154	239	257	257	283	324	376	458
Terms of Trade	100	152	177	131	117	108	105	99
Morocco								
Export	137	265	308	222	203	234	NA	NA
Import	158	213	232	211	162	NA	NA	NA
Terms of Trade	87	124	133	105	125	NA	NA	NA
Pakistan								
Export	151	196	173	189	227	227	272	304
Import	113	194	220	211	218	231	260	345
Terms of Trade	134	101	79	90	104	98	105	88
Philippines								
Export	124	212	168	148	150	168	207	216
Import	137	247	258	255	283	289	340	420
Terms of Trade	91	86	65	58	53	58	61	51
South Korea								
Export	126	160	148	166	181	200	240	252
Import	135	210	217	212	217	229	279	355
Terms of Trade	93	76	68	78	83	87	86	71
Sri Lanka								
Export	108	162	143	140	209	223	243	265
Import	138	235	261	196	222	240	365	493
Terms of Trade	78	69	55	71	94	93	67	54
Syria								
Export	174	338	291	358	381	405	533	690
Import	168	245	273	327	297	316	395	515
Terms of Trade	104	138	107	109	128	128	135	134
Thailand								
Export	158	240	212	206	210	229	272	321
Import	131	215	239	251	270	294	337	418
Terms of Trade	121	112	89	82	78	78	81	77
Tunisia								
Export	180	359	395	328	340	375	529	NA
Import	140	178	215	198	202	213	234	267
Terms of Trade	129	202	184	166	168	176	226	NA

[a] Data are from the *International Financial Statistics.* US dollar indexes for total exports and total imports converted from national data, with the original 1975 comparison base shifted to 1970.

Table 60 Billion US$

World Trade in Textiles and Apparel [a]

	World	Developed Countries	Less Developed Countries	Communist Countries
World				
1970	24.8	17.0	4.6	3.1
1975	53.5	36.6	10.2	6.6
1979	101.1	72.2	19.4	9.2
1980	115.1	78.4	24.5	12.0
Developed countries				
1970	16.8	12.9	3.0	0.8
1975	34.7	26.2	6.2	2.3
1979	63.3	49.1	10.6	3.5
1980	71.5	52.8	13.3	5.3
Less developed countries				
1970	5.4	3.4	1.3	0.8
1975	13.1	8.4	3.2	1.5
1979	27.2	18.7	6.7	1.7
1980	31.9	20.7	8.6	2.4
Communist countries				
1970	2.5	0.6	0.4	1.5
1975	5.7	2.0	0.9	2.8
1979	10.5	4.3	2.2	3.9
1980	11.7	4.8	2.6	4.3

[a] Defined as SITC 26, 65, and 84.

Table 61 Billion US $

Selected Countries: Oil Import Bill [a]

	1965	1970	1973	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	2.1	2.3	7.0	23.8	40.2	40.0	57.4	73.9	77.9
Japan	1.3	2.7	6.7	20.8	25.7	25.5	38.0	57.6	58.7
Spain	0.2	0.4	0.9	3.5	4.3	4.5	6.7	11.1	NA
European Community									
France	0.9	1.6	3.3	9.3	11.2	11.5	16.3	26.7	31.5
Italy	0.6	1.2	2.4	7.3	8.4	8.7	11.9	20.4	22.3
Netherlands	0.2	0.3	0.5	1.6	2.8	2.7	4.6	6.6	5.5
United Kingdom	1.4	1.8	3.3	7.7	5.4	4.4	2.2	0.2	NA [c]
West Germany	1.0	2.0	5.1	10.7	13.6	14.7	24.5	32.2	28.9
Less developed countries									
Brazil	NA	0.2	0.7	2.7	3.7	4.0	6.1	9.4	10.0
India	NA	0.2	0.7	1.4	1.8	2.0	4.0	6.9	6.3
South Korea	NA	0.1	0.3	1.2	2.0	2.3	3.4	6.1	7.3
China (Taiwan)	NA	0.1	0.2	0.9	1.3	1.5	2.4	4.3	5.2
Philippines	NA	0.1	0.2	0.8	1.0	0.9	1.5	2.2	2.9
Thailand	NA	0.1	0.2	0.7	1.0	1.1	1.7	2.9	3.3
Colombia	NA	−0.1	−0.1	−0.1	0.1	0.1	0.4	0.4	0.5
Pakistan	NA	0.1	0.1	0.4	0.3	0.4	0.5	1.1	1.3
Hong Kong	NA	0.1	0.1	0.4	0.6	0.6	0.9	1.4	1.6
Chile	NA	0.1	0.1	0.3	0.4	0.5	0.8	0.9	0.9

[a] Total cost of imported crude oil and petroleum products (on a c.i.f. basis) less earnings of exports of these items (on an f.o.b. basis).

[b] On an f.o.b. basis.

[c] Data are not available for 1981 because of a six-month civil service strike during which time no trade data were collected.

Table 62 Percent

Importance of Soviet-Western Trade to Selected Western Countries, 1980

Soviet Trading Partner	Exports to USSR as a Share of Total Exports	Imports From USSR as a Share of Total Imports	Share of Trading Partner's GNP	
			Exports to the USSR	Imports From the USSR
Argentina [a]	15.0	0.2	0.8	NEGL
Australia	5.1	0.1	0.8	NEGL
Austria	2.7	4.2	0.6	1.3
Brazil [a]	2.1	0.2	0.2	NEGL
Canada	2.1	0.1	0.5	NEGL
France	2.2	2.7	0.4	0.6
Italy	1.6	3.0	0.4	0.8
Japan	2.1	1.3	0.3	0.2
Netherlands	0.7	1.6	0.3	0.8
United Kingdom	0.9	1.5	0.2	0.4
United States	0.7	0.2	0.1	NEGL
West Germany	2.3	2.2	0.5	0.5

[a] Estimated.

Table 63

Million US $

Soviet Foreign Trade [a]

		Total Trade	Communist Countries					Non-Communist Countries			
			Total	Eastern Europe	China	Other Asia	Other [b]	Total	Developed Countries	Less Developed Countries	
										Total	Unspecified
1960	Exports	**5,558**	4,210	3,071	816	66	256	1,348	1,022	326	31
	Imports	**5,623**	3,974	2,792	847	98	237	1,649	1,120	529	33
1965	Exports	**8,166**	5,555	4,551	192	165	647	2,611	1,506	1,105	270
	Imports	**8,050**	5,605	4,668	225	120	592	2,444	1,647	797	2
1970	Exports	**12,787**	8,359	6,752	25	415	1,167	4,428	2,453	1,975	792
	Imports	**11,720**	7,630	6,627	22	156	826	4,090	2,849	1,241	16
1975	Exports	**33,407**	20,271	16,494	129	480	3,168	13,136	8,588	4,548	1,899
	Imports	**37,070**	19,415	15,723	150	277	3,265	17,655	13,566	4,089	31
1977	Exports	**45,227**	26,009	20,762	161	628	4,458	19,219	12,091	7,127	3,896
	Imports	**40,926**	23,353	18,839	177	400	3,938	17,573	13,586	3,987	68
1978	Exports	**52,435**	31,244	24,910	241	726	5,367	21,190	12,920	8,270	4,219
	Imports	**50,798**	30,494	24,661	257	521	5,055	20,304	16,244	4,060	65
1979	Exports	**64,912**	36,152	28,380	268	1,081	6,423	28,760	19,578	9,182	4,367
	Imports	**57,958**	32,810	26,761	240	618	5,191	25,148	20,405	4,743	49
1980	Exports	**76,437**	41,431	32,216	261	1,201	7,752	35,006	24,934	10,072	4,766
	Imports	**68,473**	36,420	29,407	226	681	6,106	32,053	24,386	7,667	168
1981	Exports	**79,377**	43,353	33,774	113	1,443	8,019	36,024	24,416	11,608	5,038
	Imports	**73,158**	37,172	29,399	131	382	7,060	35,986	25,356	10,630	209

[a] Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports and imports are f.o.b.

[b] Cuba, Mongolia, and Yugoslavia.

Table 64

Million US $

Soviet Exports [a]

	1960	1965	1970	1975	1977	1978	1979	1980
Total exports	**5,558**	**8,166**	**12,787**	**33,407**	**45,227**	**52,435**	**64,912**	**76,437**
Machinery and equipment	1,141	1,634	2,753	6,241	8,496	10,277	11,378	12,081
Fuels, lubricants, and related materials	902	1,403	1,986	10,473	15,860	18,695	27,379	35,874
Coal and coke [b]	242	384	408	1,399	1,422	418	1,504	1,695
Petroleum and petroleum products	657	998	1,469	8,212	12,784	14,776	22,211	27,851
Ores and concentrates	243	310	403	868	829	887	919	993
Iron ore	175	250	325	692	599	628	656	651
Base metals and manufactures	837	1,329	1,978	3,813	2,817	2,987	3,113	3,551
Ferrous metals	642	997	1,351	2,673	2,815	2,987	3,113	3,551
Rolled ferrous metals	480	716	961	1,794	1,889	2,020	2,138	2,464
Nonferrous metals	195	331	627	1,140	3	NA	NA	NA
Aluminum	35	111	184	356	NA	NA	NA	NA
Chemicals	150	244	364	1,027	1,063	1,284	1,606	2,139
Wood and wood products	305	593	831	1,916	2,300	2,339	2,666	3,093
Lumber	183	312	333	780	934	936	1,031	1,207
Textile raw materials and semimanufactures	358	421	437	976	1,448	1,313	1,304	1,435
Cotton fiber	288	334	372	917	1,372	1,229	1,221	1,357
Consumer goods	908	904	1,356	2,377	2,336	2,311	2,855	2,727
Food (foodstuffs)	702	664	1,019	1,556	1,391	1,165	1,661	1,426
Grain [c]	467	270	399	308	315	207	339	310
Other consumer goods	203	240	337	821	945	1,146	1,195	1,301
Other and unspecified	714	1,328	2,679	5,716	10,078	12,342	13,692	14,344

[a] Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports are f.o.b.

[b] Including small amounts of charcoal and other solid fuels.

[c] Excluding wheat flour.

Table 65

Million US $

Soviet Imports [a]

	1960	1965	1970	1975	1977	1978	1979	1980
Total imports	**5,623**	**8,050**	**11,720**	**37,070**	**40,926**	**50,798**	**57,958**	**68,473**
Machinery and equipment	1,673	2,690	4,166	12,574	15,587	21,354	22,019	23,198
Transportation equipment	659	990	1,232	3,326	3,145	3,943	4,335	4,674
Fuels, lubricants, and related materials	237	198	228	1,447	NA	NA	NA	NA
Coal and coke	93	123	124	499	NA	NA	NA	NA
Petroleum and petroleum products	144	75	82	695	NA	NA	NA	NA
Ores and concentrates	314	315	303	583	574	578	747	NA
Base metals and manufactures	545	389	691	3,595	2,482	3,414	4,499	4,654
Ferrous metals	373	314	593	3,346	2,467	3,400	4,478	4,635
Rolled ferrous metals	338	287	568	3,197	2,287	3,176	4,184	4,335
Nonferrous metals	172	75	98	249	15	14	21	19
Tin	35	21	30	65	NA	NA	NA	NA
Chemicals	149	373	618	1,747	1,850	2,188	2,803	3,732
Rubber and rubber products	196	199	192	307	NA	NA	288 [b]	320 [b]
Wood and wood products	105	150	248	796	723	747	847	1,369
Textile raw materials and semimanufactures	364	358	561	887	1,087	1,025	1,122	1,493
Cotton fiber	180	162	249	271	226	93	158	96
Wool fiber	118	100	120	265	373	420	487	502
Consumer goods	1,573	2,656	3,789	12,720	12,802	14,750	17,834	23,334
Food	613	1,512	1,590	7,844	7,523	8,822	11,395	15,156
Grain [c]	17	397	135	2,673	1,392	2,433	3,448	4,891
Other consumer goods	960	1,144	2,199	4,876	5,279	5,928	6,440	8,179
Other and unspecified	466	723	926	2,414	5,871	6,742	7,799	10,373

[a] Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Imports are f.o.b.

[b] Only natural rubber reported.

[c] Excluding wheat flour.

Table 66 Million US $

Chinese Foreign Trade [a]

		Total Trade	Communist Countries				Non-Communist Countries		
			Total	Eastern Europe	USSR	Other [b]	Total	Developed Countries	Less Developed Countries [c]
1965	Exports	**2,035**	650	95	225	330	1,385	575	810
	Imports	**1,680**	515	110	190	215	1,165	805	360
1970	Exports	**2,155**	480	255	20	205	1,675	660	1,015
	Imports	**2,045**	390	225	25	140	1,655	1,370	285
1975	Exports	**7,130**	1,375	630	150	595	5,755	2,610	3,145
	Imports	**6,830**	1,005	595	130	280	5,825	4,985	840
1977	Exports	**8,170**	1,355	670	180	505	6,815	2,940	3,875
	Imports	**6,610**	1,065	600	160	305	5,545	4,165	1,380
1978	Exports	**10,175**	1,645	910	255	480	8,530	3,775	4,755
	Imports	**10,350**	1,570	935	240	395	8,780	7,265	1,515
1979	Exports	**13,735**	1,755	1,050	240	465	11,980	5,645	6,335
	Imports	**14,490**	1,945	1,200	270	475	12,545	10,170	2,375
1980	Exports	**19,340**	1,800	1,125	230	445	17,540	8,265	9,275
	Imports	**19,380**	1,915	1,135	295	485	17,465	13,510	3,955
1981	Exports	**22,380**	1,660	1,035	130	495	20,715	10,025	10,690
	Imports	**18,625**	1,490	985	115	390	17,135	12,845	4,290

[a] Data are f.o.b. and rounded to the nearest US $5 million.

[b] Including data for Albania, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.

[c] Including data for Hong Kong and Macao.

Table 67

Million US $

China: Exports [a]

	1970	1975	1976	1977	1978	1979	1980	1981
Total	**2,155**	**7,130**	**7,270**	**8,170**	**10,175**	**13,735**	**19,340**	**22,380**
Food and live animals	660	2,045	1,790	1,945	2,335	2,650	3,245	3,515
Live animals	70	215	230	245	260	265	340	375
Meat and meat preparations	105	240	235	215	280	305	385	365
Fish and fish preparations	70	190	215	195	285	380	405	450
Cereals and cereal preparations	150	615	325	380	430	420	475	535
Vegetables and fruit	170	435	450	535	625	775	955	1,050
Beverages and tobacco	20	80	90	90	100	100	135	125
Crude materials, excluding fuel	380	840	935	1,035	1,220	1,600	1,770	2,020
Oilseeds, oil nuts, and oil kernels	70	160	110	95	95	190	185	480
Textile fibers and wastes	105	245	310	315	400	510	485	470
Crude animal and vegetable materials	115	225	285	365	400	450	550	500
Mineral fuels, lubricants, and related materials	60	1,025	905	1,160	1,465	2,465	4,320	4,950
Petroleum and petroleum products	5	865	775	1,010	1,280	2,250	4,110	4,520
Animal and vegetable oils and fats	25	55	55	45	75	90	85	115
Chemicals	115	350	365	395	470	770	1,215	1,345
Chemical elements and compounds	25	100	100	95	140	270	480	500
Manufactured goods	590	1,650	1,855	1,975	2,665	3,515	4,605	5,415
Textile yarn, fabrics, made-up articles	390	1,035	1,160	1,240	1,720	2,285	2,875	3,270
Nonmetallic mineral manufactures	60	170	185	210	260	330	440	455
Manufactures of metal	40	110	145	175	205	285	440	535
Machinery and transport equipment	75	260	285	285	370	485	735	955
Miscellaneous manufactured goods	225	800	960	1,220	1,450	2,025	3,165	3,850
Clothing	100	355	445	590	710	1,055	1,730	2,175
Other	5	25	30	20	25	35	65	90

[a] Data are f.o.b. and rounded to the nearest $5 million.

Table 68 Million US $

Chinese Imports [a]

	1970	1975	1976	1977	1978	1979	1980	1981
Total	**2,045**	**6,830**	**5,565**	**6,610**	**10,350**	**14,490**	**19,380**	**18,625**
Food and live animals	330	815	570	1,065	1,380	1,775	2,745	2,830
Cereal and cereal preparation	255	540	300	655	935	1,305	2,170	2,245
Sugar, sugar preparations, and honey	65	155	185	310	265	210	280	285
Crude materials, excluding fuels	235	730	620	1,025	1,390	1,960	3,440	3,060
Rubber, crude (including synthetic and reclaimed)	95	165	135	210	215	315	430	255
Textile fibers and their waste	95	395	315	505	855	1,140	2,160	2,000
Mineral fuels, lubricants, and related materials	40	130	65	120	155	180	205	215
Petroleum and petroleum products	10	40	10	30	35	35	70	55
Animal and vegetable fats and oils	5	40	30	155	135	180	185	110
Chemicals	310	815	550	865	1,185	1,445	2,165	2,075
Chemical elements and compounds	175	250	220	305	380	410	545	445
Fertilizers, manufactured	65	390	150	335	465	595	955	835
Manufactured goods	690	2,190	1,925	2,100	3,875	4,710	4,570	4,440
Textile yarn, fabrics, made-up articles, and products	40	90	130	170	200	295	850	1,555
Iron and steel	390	1,475	1,405	1,545	3,010	3,460	2,250	1,685
Nonferrous metals	200	395	245	225	340	340	385	315
Machinery and transport equipment	405	2,010	1,715	1,170	2,035	3,845	5,410	5,110
Machinery, other than electric	190	985	1,010	440	875	1,990	2,810	2,780
Electric machinery	30	190	230	95	225	540	1,070	1,335
Transport equipment	190	835	475	630	930	1,310	1,525	1,000
Miscellaneous manufactured goods	25	75	80	80	155	300	490	635
Other	NEGL	25	10	30	40	95	170	150

[a] Data are f.o.b. and rounded to the nearest $5 million.

Table 69 Million US $

East European Foreign Trade [a]

		Total Trade	Communist Countries				Non-Communist Countries		
			Total	USSR	Eastern Europe	Other [b]	Total	Developed Countries	Less Developed Countries
1960	Exports	**7,624**	5,523	2,817	2,102	604	2,101	1,603	498
	Imports	**7,754**	5,541	2,954	2,084	503	2,213	1,772	441
1965	Exports	**11,789**	8,423	4,692	3,172	559	3,366	2,581	785
	Imports	**11,611**	8,114	4,436	3,111	567	3,497	2,765	732
1970	Exports	**18,159**	12,546	6,612	4,955	979	5,613	4,426	1,187
	Imports	**18,522**	12,503	6,803	4,908	792	6,019	5,052	967
1975	Exports	**45,269**	30,193	15,619	12,230	2,344	15,076	11,282	3,794
	Imports	**51,314**	30,607	16,345	12,238	2,024	20,707	17,687	3,020
1977	Exports	**56,520**	38,225	19,236	16,021	2,968	18,295	13,341	4,954
	Imports	**62,661**	39,078	20,916	15,704	2,458	23,583	19,415	4,168
1978	Exports	**65,512**	44,574	22,997	18,071	3,506	20,938	15,324	5,614
	Imports	**72,597**	46,091	24,778	18,046	3,267	26,506	21,889	4,617
1979	Exports	**76,862**	51,021	27,082	20,372	3,567	25,841	18,836	7,005
	Imports	**82,586**	51,579	28,516	19,834	3,229	31,007	24,392	6,615
1980	Exports	**86,169**	54,899	29,940	20,523	4,436	31,270	22,611	8,659
	Imports	**91,190**	56,046	32,254	20,433	3,359	35,144	26,171	8,973
1981	Exports	**83,947**	53,119	29,609	18,727	4,783	30,828	20,329	10,499
	Imports	**86,955**	55,513	33,191	18,387	3,935	31,442	23,539	7,903

[a] Official East European statistics. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate. Exports are on an f.o.b. basis. Imports are f.o.b. except for Hungary, which is on a c.i.f. basis.

[b] Including data for Albania, China, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.

Table 70 Million US $

East European Exports, by Country [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981 [b]
Bulgaria	**571**	**1,176**	**2,004**	**4,807**	**6,303**	**7,488**	**9,013**	**10,491**	**10,469**
USSR	307	614	1,078	2,643	3,396	4,048	4,673	5,267	4,933
Eastern Europe	151	275	431	968	1,373	1,306	1,622	1,741	1,631
Developed countries	73	190	289	474	663	763	1,298	1,638	1,402
Less developed countries	18	53	125	463	604	785	1,037	1,383	1,796
Czechoslovakia	**1,929**	**2,688**	**3,792**	**8,158**	**10,011**	**11,669**	**13,313**	**15,386**	**15,544**
USSR	659	1,023	1,222	2,664	3,397	4,041	4,771	5,493	5,735
Eastern Europe	561	789	1,213	2,621	3,376	3,857	4,046	4,294	4,080
Developed countries	335	468	783	1,673	1,943	2,143	2,690	3,242	3,200
Less developed countries	200	255	331	706	802	979	1,044	1,302	1,508
East Germany [c]	**2,207**	**3,085**	**4,647**	**10,680**	**12,778**	**14,963**	**16,610**	**18,848**	**19,398**
USSR	924	1,311	1,742	3,700	4,306	5,291	6,080	6,666	7,165
Eastern Europe	588	852	1,386	3,368	4,160	4,765	5,783	5,303	4,954
Developed countries	446	657	1,078	2,631	3,007	3,386	3,564	4,542	4,763
Less developed countries	89	131	183	431	571	772	977	1,356	1,337
Hungary	**874**	**1,510**	**2,317**	**5,694**	**7,959**	**8,814**	**11,117**	**12,503**	**12,223**
USSR	256	525	790	2,154	2,817	3,208	3,779	4,579	4,929
Eastern Europe	278	468	648	1,591	2,365	2,666	3,303	3,282	2,925
Developed countries	192	342	630	1,327	1,712	1,980	2,636	3,040	2,630
Less developed countries	58	107	137	364	473	555	723	848	1,020
Poland	**1,326**	**2,228**	**3,548**	**10,510**	**12,405**	**14,488**	**16,860**	**17,249**	**13,398**
USSR	390	781	1,251	3,362	3,957	4,984	6,092	5,609	4,519
Eastern Europe	335	528	882	2,671	3,155	3,384	3,739	3,801	3,245
Developed countries	403	647	1,024	3,278	3,877	4,411	5,056	5,857	3,910
Less developed countries	93	172	258	845	1,005	1,070	1,294	1,649	1,538
Romania	**717**	**1,102**	**1,851**	**5,420**	**7,064**	**8,093**	**9,949**	**11,792**	**12,915**
USSR	281	438	529	1,096	1,363	1,425	1,687	2,326	2,326
Eastern Europe	189	260	395	1,011	1,592	1,893	1,879	2,102	1,892
Developed countries	154	277	622	1,899	2,139	2,641	3,592	4,292	4,424
Less developed countries	40	68	153	985	1,499	1,453	1,930	2,121	3,300

[a] Domestic currency converted into US dollars at the exchange rate prevailing at time of transactions. Exports are on an f.o.b. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

[b] Preliminary.

[c] The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 71 Million US $

East European Imports, by Country[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981[b]
Bulgaria	**625**	**1,178**	**1,831**	**5,528**	**6,344**	**7,658**	**8,380**	**9,777**	**10,563**
USSR	332	589	933	2,826	3,817	4,571	5,042	5,639	5,840
Eastern Europe	174	236	372	1,007	1,245	1,433	1,387	1,777	1,617
Developed countries	89	266	333	1,289	1,019	1,151	1,321	1,657	2,067
Less developed countries	13	37	81	209	263	249	300	378	480
Czechoslovakia	**1,816**	**2,673**	**3,695**	**8,874**	**10,883**	**12,488**	**14,371**	**15,537**	**15,278**
USSR	630	955	1,309	2,818	3,637	4,377	5,131	5,658	5,988
Eastern Europe	524	851	1,123	2,839	3,353	4,007	4,401	4,505	4,017
Developed countries	360	514	917	2,244	2,640	2,897	3,408	3,691	3,551
Less developed countries	161	197	214	501	733	606	709	829	810
East Germany[c]	**2,194**	**2,823**	**4,923**	**11,947**	**15,049**	**16,452**	**18,384**	**20,774**	**20,888**
USSR	958	1,205	1,945	4,172	5,137	5,686	6,546	7,508	7,682
Eastern Europe	496	693	1,246	3,147	4,183	4,750	5,105	4,947	4,741
Developed countries	484	656	1,378	3,704	4,365	4,622	5,681	6,332	6,350
Less developed countries	90	120	182	483	723	673	885	1,288	1,150
Hungary	**976**	**1,520**	**2,505**	**6,795**	**8,558**	**10,584**	**11,919**	**12,628**	**12,045**
USSR	303	553	832	2,284	2,859	3,672	4,325	4,620	4,432
Eastern Europe	317	415	726	1,813	2,280	2,451	2,875	3,186	2,831
Developed countries	237	383	678	1,966	2,441	3,210	3,330	3,719	3,682
Less developed countries	58	113	177	498	640	710	712	848	757
Poland	**1,495**	**2,340**	**3,608**	**12,752**	**14,767**	**16,489**	**18,164**	**19,437**	**15,658**
USSR	465	728	1,361	3,294	4,310	5,036	5,831	6,698	6,776
Eastern Europe	400	706	1,000	2,354	3,046	3,549	3,729	3,963	3,273
Developed countries	447	583	938	6,199	6,374	6,510	6,665	6,699	4,476
Less developed countries	99	210	196	597	700	858	1,373	1,789	946
Romania	**648**	**1,077**	**1,960**	**5,418**	**7,060**	**8,926**	**11,168**	**13,037**	**12,527**
USSR	266	406	501	951	1,356	1,436	1,641	2,131	2,473
Eastern Europe	173	210	441	1,078	1,597	1,856	2,137	2,055	1,908
Developed countries	155	363	786	2,285	2,576	3,499	3,987	4,073	3,413
Less developed countries	20	55	117	732	1,109	1,521	2,636	3,841	3,760

[a] Imports are f.o.b. except for Hungary, which is on a c.i.f. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

[b] Preliminary.

[c] The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 72

Million US $

East European Exports, by Commodity Group [a]

	1970	1975	1977	1978	1979	1980	1981 [b]
Bulgaria	**2,004**	**4,787**	**6,303**	**7,485**	**9,013**	**10,491**	**10,469**
Machinery and equipment	581	1,936	2,855	3,525	4,029	4,658	4,816
Fuels, minerals, and metals	162	375	536	666	1,181	1,574	1,570
Agricultural and forestry products	870	1,620	1,847	2,028	2,298	2,560	2,303
Manufactured consumer goods	295	495	605	734	847	923	942
Other	96	361	460	532	658	776	838
Czechoslovakia	**3,792**	**8,158**	**10,011**	**11,669**	**13,313**	**15,286**	**15,544**
Machinery and equipment	1,911	3,916	5,136	6,161	6,803	7,689	NA
Fuels, minerals, and metals	705	1,574	1,672	1,785	2,263	2,629	NA
Agricultural and forestry products	277	587	741	887	1,038	1,315	NA
Manufactured consumer goods	629	1,485	1,752	1,972	2,197	2,430	NA
Other	270	596	710	864	1,012	1,223	NA
East Germany	**4,647**	**10,680**	**12,778**	**14,963**	**16,610**	**18,848**	**19,398**
Machinery and equipment	2,402	5,415	6,823	8,230	9,268	9,669	NA
Fuels, minerals, and metals	469	1,292	1,431	1,511	1,960	2,790	NA
Agricultural and forestry products	344	972	920	1,167	1,013	1,206	NA
Manufactured consumer goods	939	1,666	1,955	2,244	2,475	2,790	NA
Other	493	1,335	1,649	1,811	1,894	2,394	NA
Hungary	**2,317**	**5,694**	**7,959**	**8,814**	**11,117**	**12,503**	**12,223**
Machinery and equipment	755	2,107	2,674	3,050	3,802	4,026	3,801
Fuels, minerals, and metals	334	678	1,051	1,111	1,601	1,800	1,899
Agricultural and forestry products	619	1,435	2,093	2,274	2,657	3,263	3,080
Manufactured consumer goods	494	1,162	1,536	1,763	2,001	2,176	1,943
Other	115	312	605	616	1,056	1,238	1,500
Poland	**3,548**	**10,510**	**12,405**	**14,488**	**16,860**	**17,249**	**13,398**
Machinery and equipment	1,366	4,109	5,334	6,389	7,739	7,659	6,431
Fuels, minerals, and metals	848	3,058	3,076	3,492	4,046	4,399	3,617
Agricultural and forestry products	600	1,209	1,439	1,579	1,787	1,708	938
Manufactured consumer goods	571	1,534	1,948	2,362	2,563	2,639	1,742
Other	163	600	608	666	725	845	670
Romania	**1,851**	**5,420**	**7,064**	**8,093**	**9,949**	**11,792**	**12,915**
Machinery and equipment	422	1,371	1,886	2,307	2,607	3,090	NA
Fuels, minerals, and metals	420	1,209	1,469	1,805	2,905	3,479	NA
Agricultural and forestry products	496	1,225	1,724	1,619	1,701	1,957	NA
Manufactured consumer goods	335	873	1,173	1,416	1,622	1,828	NA
Other	178	742	812	946	1,114	1,439	NA

[a] The values of East European exports by commodity group were calculated by applying East European data on percentage breakdowns to total exports expressed in US dollars (see Table 70, footnote a).

[b] Preliminary.

Table 73

Million US $

East European Imports, by Commodity Group [a]

	1970	1975	1977	1978	1979	1980	1981 [b]
Bulgaria	**1,831**	**5,528**	**6,344**	**7,658**	**8,580**	**9,777**	**10,562**
Machinery and equipment	743	2,289	2,512	3,086	3,183	3,461	3,591
Fuels, minerals, and metals	533	1,852	2,392	2,956	3,552	4,194	4,647
Agricultural and forestry products	291	702	666	766	841	948	1,056
Manufactured consumer goods	104	282	285	314	386	430	528
Other	160	403	489	536	618	744	740
Czechoslovakia	**3,695**	**8,874**	**10,883**	**12,488**	**14,371**	**15,537**	**15,275**
Machinery and equipment	1,234	3,204	4,244	4,983	5,260	5,687	NA
Fuels, minerals, and metals	868	2,467	3,123	3,721	4,455	4,925	NA
Agricultural and forestry products	890	1,544	1,937	1,886	2,414	2,501	NA
Manufactured consumer goods	314	683	653	787	862	917	NA
Other	389	976	926	1,111	1,380	1,507	NA
East Germany	**4,923**	**11,947**	**15,049**	**16,452**	**18,384**	**20,774**	**20,888**
Machinery and equipment	1,684	3,680	5,011	5,594	6,085	6,398	NA
Fuels, minerals, and metals	1,359	3,644	4,364	4,902	6,029	7,624	NA
Agricultural and forestry products	1,383	2,700	3,311	3,422	3,566	3,926	NA
Manufactured consumer goods	222	669	692	839	974	1,039	NA
Other	275	1,254	1,671	1,695	1,730	1,787	NA
Hungary	**2,505**	**6,795**	**8,558**	**10,584**	**11,919**	**12,628**	**12,045**
Machinery and equipment	774	2,188	2,790	3,662	4,041	3,877	3,216
Fuels, minerals, and metals	591	1,855	2,054	2,582	3,194	3,410	4,375
Agricultural and forestry products	611	1,291	1,814	1,990	2,098	2,349	1,096
Manufactured consumer goods	193	482	616	794	858	972	1,108
Other	336	979	1,284	1,556	1,728	2,020	2,250
Poland	**3,608**	**12,752**	**14,767**	**16,489**	**18,164**	**19,437**	**15,658**
Machinery and equipment	1,306	4,769	5,582	6,249	6,357	6,356	5,167
Fuels, minerals, and metals	960	3,826	4,076	4,551	5,377	6,045	6,263
Agricultural and forestry products	772	2,270	2,747	3,166	3,615	4,062	2,975
Manufactured consumer goods	231	676	960	1,039	1,162	1,244	939
Other	339	1,211	1,402	1,484	1,653	1,730	314
Romania	**1,960**	**5,418**	**7,060**	**8,926**	**11,168**	**13,037**	**12,527**
Machinery and equipment	790	1,880	2,591	3,312	3,585	3,207	NA
Fuels, minerals, and metals	596	2,070	2,640	3,365	4,836	6,558	NA
Agricultural and forestry products	306	845	1,024	1,196	1,497	1,916	NA
Manufactured consumer goods	108	206	275	330	380	391	NA
Other	160	417	530	723	871	965	NA

[a] The values of East European imports by commodity group were calculated by applying East European data on percentage breakdowns to total imports expressed in US dollars (see Table 71, footnote a).

[b] Preliminary.

Table 74

Million US $

Cuban Foreign Trade [a]

		Total Trade	Communist Countries				Non-Communist Countries
			Total	USSR	Eastern Europe	Other [b]	
1965	Exports	**691**	529	323	103	103	162
	Imports	**866**	649	428	98	123	217
1970	Exports	**1,050**	778	529	150	99	272
	Imports	**1,311**	905	691	125	89	406
1975	Exports	**3,572**	2,401	2,011	279	111	1,171
	Imports	**3,767**	1,935	1,513	304	118	1,832
1976	Exports	**3,284**	2,484	1,998	353	133	800
	Imports	**3,879**	2,267	1,818	356	93	1,612
1977	Exports	**3,669**	3,056	2,602	341	113	613
	Imports	**4,362**	2,907	2,341	471	95	1,455
1978	Exports	**4,575**	3,868	3,319	399	150	707
	Imports	**4,753**	3,782	3,096	537	149	971
1979	Exports	**4,830**	3,967	3,270	512	185	863
	Imports	**5,088**	4,220	3,483	572	165	868
1980	Exports	**5,593**	3,930	3,177	569	184	1,663
	Imports	**6,358**	4,949	3,963	811	175	1,409
1981 [c]	Exports	**5,451**	4,195	3,142	NA	NA	1,256
	Imports	**6,504**	5,248	4,125	NA	NA	1,256

[a] Exports are on an f.o.b. basis; imports are on a c.i.f. basis. Cuban trade with non-Communist countries is based on hard currency world prices while its Communist country trade uses soft currency negotiated prices which are frequently subsidized in Cuba's favor and do not reflect real market values. The result is a more favorable global trade balance than if Cuba conducted all of its trade at world market prices.

[b] Including data for China, Mongolia, North Korea, and Vietnam.

[c] Preliminary.

Table 75

Million US $

Cuban Exports [a]

	1965	1970	1974	1975	1976	1977	1978	1979	1980
Total	**691**	**1,050**	**2,707**	**3,572**	**3,284**	**3,669**	**4,575**	**4,830**	**5,593**
Sugar	591	806	2,336	3,209	2,855	3,067	3,931	4,909	4,625
Raw and refined	579	785	2,299	3,183	2,832	3,038	3,905	4,035	4,572
Molasses	12	21	37	26	23	29	26	55	53
Minerals	50	175	171	169	201	239	212	223	269
Nickel	40	173	167	164	193	234	206	212	260
Other	10	2	4	5	8	5	6	11	9
Tobacco	33	33	73	63	74	84	81	79	51
Raw	19	15	25	22	26	34	41	41	41
Manufactured	14	18	48	41	48	50	40	38	10
Foodstuffs	5	29	120	131	153	278	214	276	280
Fish and shellfish	3	19	59	63	79	82	110	132	125
Citrus	1	3	15	14	16	21	39	47	58
Other	12	7	7	NEGL	1	1	137	162	368

[a] Exports are f.o.b.

Table 76

Million US $

Cuban Imports [a]

	1965	1970	1974	1975	1976	1977	1978	1979	1980
Total	**866**	**1,311**	**2,693**	**3,767**	**3,879**	**4,362**	**4,753**	**5,088**	**6,358**
Foodstuffs	205	263	684	718	723	736	861	NA	NA
Raw material and intermediate goods	64	138	233	357	255	288	501	NA	NA
Fuel	85	114	241	377	423	605	859	NA	NA
Petroleum	81	110	237	372	418	599	NA	NA	NA
Machinery and transportation equipment	133	368	552	911	1,220	1,433	1,277	NA	NA
Manufactures	153	131	341	465	399	438	541	NA	NA
Other	226	297	642	939	859	862	714	NA	NA

[a] Imports are c.i.f.

Table 77

Million US $

US Economic Loans and Grants Extended to the Less Developed Countries[a]

	1946-81[b]	1975[c]	1977[c]	1978[c]	1979[c]	1980[c]	1981[c]
Total	NA	**4,908**	**5,590**	**6,626**	**7,106**	**7,572**	**7,317**
Africa	**9,141**	**335**	**417**	**603**	**601**	**799**	**920**
Ethiopia	393	24	6	10	16	15	5
Ghana	416	8	13	12	24	28	26
Liberia	367	16	21	7	18	23	58
Libya	21	0	0	0	0	0	0
Morocco	1,062	24	27	36	27	27	56
Nigeria	406	9	0	0	0	0	0
Tunisia	936	13	24	39	32	29	41
Zaire	658	5	46	32	37	26	30
Other	4,691	236	280	467	447	651	704
East Asia	**27,419**	**437**	**341**	**375**	**352**	**407**	**334**
Indonesia	2,887	90	134	197	191	196	135
Kampuchea	941	149	0	0	0	38	14
Laos	903	26	0	1	2	0	0
Philippines	2,200	68	87	84	72	83	98
South Korea	6,012	37	77	59	41	31	29
China (Taiwan)	2,207	0	0	0	0	0	0
Thailand	773	7	18	11	26	30	31
Other	11,496	359	25	23	20	29	27
Latin America	**12,915**	**520**	**348**	**385**	**449**	**499**	**588**
Argentina	199	NEGL	NEGL	0	NEGL	0	0
Bolivia	819	26	46	53	51	30	12
Brazil	2,427	15	4	2	2	2	1
Chile	1,182	96	33	7	14	10	10
Colombia	1,367	28	9	7	9	23	5
Dominican Republic	685	12	14	6	48	56	39
Ecuador	338	8	4	6	6	12	18
Guatemala	470	14	21	11	25	13	19
Mexico	336	NEGL	16	20	13	7	9
Panama	435	21	16	23	21	2	10
Peru	742	16	23	55	71	53	81
Venezuela	201	2	NEGL	0	NEGL	0	0
Other	3,714	538	162	195	189	291	384
Middle East and South Asia	**41,521**	**1,786**	**2,396**	**2,577**	**2,795**	**2,802**	**2,852**
Afghanistan	537	21	21	12	11	0	0
Bangladesh	1,655	304	145	194	208	157	152

Table 77 (continued)

Million US $

US Economic Loans and Grants Extended to the Less Developed Countries [a]

	1946-81 [b]	1975 [c]	1977 [c]	1978 [c]	1979 [c]	1980 [c]	1981 [c]
Egypt	7,506	370	908	943	1,088	1,166	1,133
Greece	1,910	0	0	0	0	0	0
India	10,397	249	126	196	228	222	275
Iran	766	2	1	0	NEGL	0	0
Israel	6,350	353	742	792	790	786	764
Jordan	1,436	99	84	103	101	73	13
Pakistan	5,050	181	108	78	50	59	79
Turkey	3,185	4	NEGL	1	70	198	201
Other	2,729	203	262	258	249	141	235
Europe and Oceania	NA	**95**	**263**	**360**	**52**	**95**	**44**
Spain	1,062	3	10	7	7	7	7
Other	NA	92	195	353	45	88	37
Interregional	**28,473**	**1,318**	**1,825**	**2,326**	**2,857**	**2,970**	**2,579**

[a] Data are for fiscal years and are for official development assistance, which is concessional.

[b] Data are reported on a net basis, excluding total deobligations.

[c] Data reported are on a gross basis.

Table 78

Billion US $

Net Financial Flows to Developing Countries [a]

Net Disbursements	1973	1974	1975	1976	1977	1978	1979	1980
Total	**30.6**	**35.0**	**53.7**	**57.6**	**63.4**	**79.8**	**83.9**	**89.0**
Official flows	**14.4**	**20.6**	**25.3**	**25.6**	**26.1**	**32.3**	**40.0**	**47.0**
Bilateral	11.1	15.9	18.9	19.0	18.2	23.2	29.6	34.5
Industrial countries	8.4	10.6	11.7	11.6	12.2	17.5	21.9	25.6
OPEC	1.4	3.9	6.4	6.2	4.8	4.3	5.9	7.1
Communist countries	1.3	1.4	0.8	1.2	1.2	1.4	1.8	1.8
Multilateral	3.3	4.7	6.4	6.6	7.9	9.1	10.4	12.5
Private flows	**16.2**	**14.4**	**28.4**	**32.0**	**37.3**	**47.5**	**43.9**	**42.0**

[a] Net disbursements. Official flows consist of Official Development Assistance (ODA) and Other Official Flows (OOF). Private flows consist of direct investment, private export credits, and portfolio investment. Data differs from those presented in earlier editions of the *Handbook*.

Table 79

Million US $

Gross Official Bilateral Capital Flows [a] from Development Assistance Committee Members to the Less Developed Countries, 1954-80

	Total	United States	Other [b]
Total	**244,715**	**102,115**	**142,600**
Africa	**60,416**	**9,080**	**51,336**
Algeria	7,312	913	6,399
Guinea	368	172	196
Other	52,736	7,995	44,741
East Asia	**43,038**	**24,500**	**18,538**
Indonesia	9,749	3,127	6,622
South Korea	9,820	7,088	2,732
Other	23,469	14,285	9,184
Latin America	**39,724**	**19,760**	**19,964**
Brazil	7,522	4,710	2,812
Chile	3,189	2,266	923
Other	29,013	12,784	16,229
Middle East and South Asia	**70,994**	**36,770**	**34,224**
Afghanistan	853	466	387
Egypt	6,904	4,370	2,534
India	20,749	10,200	10,549
Iran	2,846	1,177	1,669
Iraq	426	53	373
North Yemen	453	107	346
Pakistan	9,766	5,418	4,348
Syria	408	234	174
Turkey	6,712	3,366	3,346
Other	21,877	11,379	10,498
Europe	**6,752**	**3,900**	**2,852**
Other	**23,791**	**8,105**	**15,686**

[a] Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character. Data does not include flows to Yugoslavia.

[b] Including Australia, Austria, Belgium, Canada, Denmark, Finland, France, Italy, Japan, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, and West Germany; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974.

Energy

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Table 80

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production[a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD											
United States	21,143	24,918	30,819	31,071	30,508	30,154	30,403	30,886	32,146	32,679	32,529
Canada	1,750	2,539	3,709	4,942	4,893	4,678	4,772	4,834	5,258	4,837	4,758
Japan	1,017	1,106	1,028	774	861	874	849	990	1,072	1,186	1,201
Norway	158	255	298	403	427	595	653	991	1,297	1,424	1,412
European Community	**6,940**	**7,280**	**7,220**	**7,770**	**7,850**	**8,280**	**9,220**	**9,340**	**9,970**	**10,100**	**10,600**
Belgium[b]	31	274	161	129	120	146	160	155	144	155	157
France	1,082	1,115	1,026	860	874	899	977	980	983	1,101	1,382
Italy	395	423	490	502	504	510	532	539	532	524	527
Netherlands	216	233	648	1,349	1,583	1,702	1,671	1,587	1,662	1,562	1,446
United Kingdom	2,691	2,680	2,346	2,453	2,290	2,571	3,363	3,642	4,131	4,242	4,450
West Germany	2,503	2,521	2,495	2,400	2,402	2,357	2,398	2,318	2,390	2,423	2,449
Other countries											
Iran	1,126	1,977	3,920	6,267	6,481	5,802	6,096	5,654	3,564	1,846	1,447
Kuwait	1,766	2,451	3,138	3,171	2,686	2,225	2,137	2,312	2,771	1,880	1,353
Saudi Arabia	1,405	2,313	3,929	7,763	8,717	7,312	9,572	8,713	10,046	10,525	10,749
Communist countries											
USSR and Eastern Europe	**13,100**	**17,800**	**22,300**	**25,100**	**26,400**	**27,700**	**30,500**	**31,600**	**32,600**	**33,400**	**33,700**
USSR	9,240	13,190	17,040	19,540	20,740	21,910	24,290	25,400	26,300	27,150	27,720
Eastern Europe	**3,870**	**4,570**	**5,280**	**5,550**	**5,660**	**5,840**	**6,180**	**6,250**	**6,330**	**6,250**	**5,950**
Bulgaria	109	144	151	133	123	143	154	158	169	175	171
Czechoslovakia	761	865	906	898	908	907	948	956	979	967	964
East Germany	1,027	1,113	1,172	1,105	1,113	1,126	1,171	1,175	1,198	1,220	1,257
Hungary	207	254	277	276	276	270	292	303	287	281	277
Poland	1,278	1,531	1,895	2,133	2,197	2,294	2,479	2,527	2,600	2,493	2,141
Romania	487	666	879	1,009	1,039	1,096	1,133	1,127	1,098	1,115	1,137
Other											
China	NA	2,682	4,131	5,476	5,842	6,776	7,874	8,748	8,995	8,856	8,816
North Korea	NA	324	466	546	NA	622	622	644	663	NA	NA
Yugoslavia	202	286	330	362	400	402	458	475	496	532	552

[a] Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

[b] Including data for Luxembourg.

Table 81 Thousand Barrels per Day of Oil Equivalent

Primary Energy Consumption [a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980
OECD										
United States	20,628	24,782	31,577	35,233	34,534	33,423	36,559	37,946	37,987	36,760
Canada	1,960	2,417	3,148	3,882	3,832	3,942	4,245	4,352	4,491	4,599
Japan	1,931	3,179	5,821	7,068	7,148	6,879	7,239	7,394	7,702	7,620
Norway	186	267	360	408	401	406	414	457	491	487
European Community										
Belgium [b]	588	751	971	1,093	1,064	972	1,020	1,066	1,098	1,057
France	1,840	2,364	3,080	3,781	3,669	3,454	3,699	3,916	4,059	4,044
Italy	1,058	1,617	2,479	2,796	2,793	2,666	2,875	2,858	2,972	2,925
Netherlands	487	735	1,156	1,468	1,410	1,392	1,497	1,546	1,602	1,500
United Kingdom	3,506	3,962	4,358	4,587	4,384	4,129	4,286	4,288	4,460	4,079
West Germany	2,960	3,762	4,798	5,390	5,266	4,935	5,345	5,512	5,759	5,501
Other countries										
Iran	142	201	483	605	676	710	744	715	662	NA
Kuwait	116	172	144	163	157	135	166	182	178	NA
Saudi Arabia	64	98	290	360	387	281	420	419	439	NA
Communist countries										
USSR and Eastern Europe										
USSR	8,490	11,580	14,840	17,210	18,080	18,830	20,520	21,660	22,020	22,910
Eastern Europe										
Bulgaria	132	254	391	470	504	526	591	613	650	689
Czechoslovakia	798	986	1,136	1,243	1,275	1,298	1,452	1,439	1,496	1,470
East Germany	1,171	1,336	1,491	1,538	1,555	1,576	1,676	1,707	1,798	1,835
Hungary	269	360	431	475	489	509	548	586	605	598
Poland	1,053	1,295	1,653	1,863	1,926	2,078	2,293	2,371	2,466	2,533
Romania	376	565	844	1,031	1,044	1,125	1,244	1,321	1,330	1,366
Other										
Yugoslavia	227	331	448	542	597	598	677	733	792	806

[a] Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent. Data exclude minor fuels such as peat, shale, and fuelwood and include marine bunkers.

[b] Including data for Luxembourg.

Table 82

Thousand Barrels per Day of Oil Equivalent

Primary Energy Production, by Type[a]

	1970				1980				1981			
	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear
OECD												
United States	7,359	11,380	10,686	1,394	9,785	10,168	9,935	2,791	9,629	10,156	9,930	2,814
Canada	171	1,625	1,110	803	437	1,754	1,194	1,452	462	1,605	1,175	1,516
Japan	538	18	45	427	244	10	41	891	240	8	55	898
Norway	6	0	0	292	4	566	431	423	4	534	448	426
European Community												
Belgium[b]	154	0	1	6	86	0	0	69	83	0	0	74
France	523	68	118	317	256	51	129	665	277	56	129	920
Italy	9	30	227	224	7	39	214	264	8	38	205	276
Netherlands	59	43	544	2	0	35	1,506	21	0	34	1,394	18
United Kingdom	1,992	0	194	160	1,762	1,642	626	212	1,730	1,846	653	221
West Germany	1,999	152	224	120	1,690	92	327	314	1,711	85	283	370
Other countries												
Iran	7	3,870	35	8	12	1,672	142	20	12	1,390	25	20
Kuwait	0	3,050	88	0	0	1,731	149	0	0	1,179	174	0
Saudi Arabia	0	3,890	39	0	0	10,269	256	0	0	10,262	487	0
Communist countries												
USSR and Eastern Europe												
USSR	6,050	7,060	3,270	660	6,760	12,030	7,190	1,170	6,620	12,180	7,700	1,220
Eastern Europe												
Bulgaria	125	7	8	12	116	3	3	53	111	3	3	54
Czechoslovakia	861	4	17	23	905	2	9	51	900	2	9	53
East Germany	1,150	1	10	12	1,082	1	53	84	1,119	1	53	84
Hungary	182	39	56	1	140	41	99	1	140	40	96	1
Poland	1,790	8	84	11	2,364	7	104	18	2,014	7	102	18
Romania	125	281	460	13	178	241	639	57	183	243	657	54
Other												
China	3,298	590	71	172	6,198	2,076	254	329	6,198	2,024	224	370
North Korea	362	0	0	104	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	164	56	18	93	254	85	31	162	283	88	37	144

[a] Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

[b] Including data for Luxembourg.

Table 83

Proved Reserves of Crude Oil, Natural Gas, and Coal, Yearend 1981 [a]

	Crude Oil [b] (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal [c] (Million Metric Tons)
OECD			
United States	30	198	190,900
Canada	7	90	4,400
Norway	8	49	NA
European Community			
United Kingdom	15	26	45,000
West Germany	NEGL	6	34,500
Other countries			
Algeria	8	131	NA
Brazil	1	2	900
Ecuador	1	4	0
Egypt	3	3	NEGL
India	3	12	13,100
Indonesia	10	27	200
Iran	57	484	200
Iraq	30	27	0
Kuwait	64	31	0
Libya	23	23	0
Mexico	57	75	1,500

	Crude Oil [b] (Billion Barrels)	Natural Gas [b] (Trillion Cubic Feet)	Coal [b] (Million Metric Tons)
Other countries (continued)			
Nigeria	17	41	100
Oman	3	3	0
Qatar	3	60	0
Saudi Arabia	165	114	0
South Africa	0	0	25,300
Syria	2	3	0
United Arab Emirates	31	23	0
Venezuela	20	47	100
Communist countries			
USSR and Eastern Europe			
USSR	40-100 [d]	1,060 [e]	165,500
Eastern Europe			
Poland	NEGL	5	30,600
Romania	1	9	400
Other			
North Korea	0	0	500
Yugoslavia	NEGL	1	8,700

[a] The portion of total resources which has been assessed as being exploitable under local economic conditions and available technology.

[b] Source for Non-Communist countries: *Oil and Gas Journal.*

[c] Yearend 1980. Data are expressed in terms of coal equivalent (7,000 kilocalories per kilogram). Source: *World Energy Conference of Energy Resources, 1980.*

[d] The Soviets do not publish reserve statistics on oil. Most recent published US and Western European estimates fall within this range.

[e] Including proved, probable, and some possible reserves.

Table 54

Thousand Barrels per Day

Crude Oil Refining Capacity by Country, 1982

OECD	[illegible]
United States	[illegible]
Australia	[illegible]
Canada	2,200
Japan	5,601
Spain	1,317
European Community	[illegible]
Belgium	1,033
France	[illegible]
Italy	[illegible]
Netherlands	1,708
United Kingdom	[illegible]
West Germany	[illegible]
OPEC	[illegible]
Abu Dhabi	[illegible]
Algeria	[illegible]
Ecuador	[illegible]
Gabon	[illegible]
Indonesia	[illegible]
Iran	[illegible]
Iraq	[illegible]
Kuwait	[illegible]
Libya	[illegible]
Nigeria	[illegible]
Qatar	[illegible]
Saudi Arabia	[illegible]
Venezuela	[illegible]
Argentina	[illegible]
Bahamas	500
Brazil	[illegible]
Egypt	[illegible]
India	[illegible]
Mexico	1,470
Netherlands Antilles	[illegible]
Trinidad and Tobago	[illegible]
Virgin Islands	[illegible]
Communist countries	
USSR and Eastern Europe	[illegible]
USSR	10,000
Eastern Europe	[illegible]
Bulgaria	300
Czechoslovakia	[illegible]
East Germany	[illegible]
Hungary	[illegible]
Poland	[illegible]
Romania	[illegible]
Other	
China	[illegible]
Cuba	[illegible]
North Korea	[illegible]
Yugoslavia	[illegible]

Table 95

Thousand Barrels per Day

Crude Oil Production[a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
United States	7,035	7,804	9,648	9,208	8,774	8,375	8,245	8,707	8,552	8,597	8,572
Canada	526	742	1,303	1,800	1,684	1,476	1,320	1,311	1,496	1,424	1,285
European Community	281	309	364	313	300	582	985	1,238	1,708	1,818	2,038
Other countries											
Algeria	183	558	976	1,062	980	945	1,100	1,161	1,154	1,012	803
Gabon	16	25	109	150	202	223	222	209	203	174	151
Indonesia	411	481	853	1,338	1,375	1,307	1,686	1,635	1,591	1,577	1,604
Iran	1,068	1,908	3,831	5,860	6,022	5,350	5,663	5,242	3,168	1,662	1,380
Iraq	1,004	1,311	1,565	2,018	1,971	2,262	2,348	2,562	3,477	2,514	1,000
Kuwait[c]	1,692	2,362	2,983	3,020	2,547	2,084	1,969	2,131	2,500	1,656	1,125
Libya	0	1,218	3,321	2,175	1,521	1,480	2,063	1,983	2,092	1,787	1,140
Mexico	271	323	430	465	571	705	981	1,209	1,461	1,937	2,313
Nigeria	17	274	1,090	2,054	2,255	1,783	2,085	1,897	2,302	2,055	1,433
Qatar	175	233	363	570	518	438	445	487	508	472	405
Saudi Arabia[c]	1,313	2,205	3,799	7,596	8,480	7,075	9,200	8,301	9,532	9,900	9,815
United Arab Emirates	0	282	780	1,533	1,679	1,664	1,999	1,831	1,831	1,709	1,501
Venezuela	2,846	3,473	3,708	3,366	2,976	2,346	2,238	2,166	2,356	2,167	2,101
Communist countries											
USSR and Eastern Europe	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
USSR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eastern Europe	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bulgaria	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Czechoslovakia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
East Germany	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hungary	24	36	39	40	40	40	44	44	41	41	40
Poland	4	7	8	8	11	11	7	7	7	7	7
Romania	230	251	281	286	290	292	293	274	246	230	233
Other											
Albania	13	19	30	44	51	37	38	NA	NA	NA	NA
China[d]	103	228	603	1,138	1,303	1,543	1,874	2,082	2,122	2,119	2,024
Cuba	1	1	3	3	3	3	3	3	3	3	3
Yugoslavia	18	40	57	68	70	73	79	83	83	85	88

[a] Unless otherwise indicated, data are for crude oil and include natural gas liquids, shale oil, natural gasoline, and synthetic crude oil.

[b] Including shale oil.

[c] Including about one-half of neutral zone production, which amounted to 371,000 barrels per day in 1981.

[d] Including small quantities of synthetic crude oil.

Table 86

Thousand Barrels per Day

Crude Oil Consumption

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
United States	9,797	11,513	14,697	16,855	16,175	15,860	17,895	18,330	17,985	16,410	15,985
Japan	590	1,750	4,000	5,390	5,250	4,965	5,400	5,420	5,500	5,000	4,740
Canada	837	1,115	1,484	1,755	1,690	1,765	1,765	1,800	1,850	1,815	1,685
Western Europe	**4,010**	**7,660**	**12,400**	**14,700**	**13,800**	**13,100**	**13,600**	**14,000**	**14,400**	**13,400**	**12,300**
Belgium, Luxembourg, Netherlands	420	835	1,290	1,470	1,275	1,195	1,280	1,315	1,390	1,310	1,175
France	579	1,117	1,949	2,485	2,360	2,215	2,255	2,360	2,395	2,280	2,000
Italy	475	1,042	1,760	2,080	2,075	1,905	1,910	1,965	2,035	1,950	1,875
Spain [a]	121	253	540	760	845	890	955	975	1,035	1,040	990
United Kingdom	975	1,473	2,030	2,270	2,145	1,870	1,865	1,905	1,895	1,615	1,485
West Germany	659	1,569	2,572	2,985	2,675	2,565	2,705	2,855	2,900	2,605	2,330
Other	778	1,372	2,261	2,640	2,410	2,430	2,670	2,675	2,735	2,550	2,415

[a] Including the Canary Islands.

Table 87

Thousand Barrels per Day

Major Exporters of Oil [a]

	1970	1971	1972	1973	1974	1975	1977	1978	1979	1980	1981
Non-Communist countries [b]											
United Arab Emirates	777	1,055	1,203	1,522	1,690	1,661	1,993	1,824	1,815	1,629	1,411
Algeria	985	693	1,007	1,029	937	940	1,065	1,081	1,031	892	675
Indonesia	725	749	943	1,167	1,160	1,095	1,473	1,387	1,270	1,182	1,154
Iran	3,519	4,173	4,675	5,424	5,532	4,886	4,986	4,575	2,580	1,092	880
Iraq	1,499	1,622	1,437	1,933	1,870	2,096	2,203	2,418	3,309	2,299	775
Kuwait	2,831	3,009	3,136	2,847	2,396	1,944	1,938	2,088	2,507	1,531	969
Libya	3,313	2,747	2,215	2,210	1,518	1,478	2,034	1,954	2,051	1,697	1,040
Nigeria	1,055	1,495	1,759	1,993	2,183	1,719	2,044	1,831	2,216	1,850	1,205
Saudi Arabia	3,564	4,481	5,764	7,346	8,244	6,932	8,950	8,064	9,192	9,365	9,229
Venezuela	3,470	3,282	3,065	3,150	2,752	2,086	1,964	1,942	2,074	1,802	1,701
Communist countries											
USSR [c]	1,920	2,110	2,140	2,380	2,340	2,600	3,130	3,300	3,280	3,300	3,250

[a] Including refined products.
[b] Excluding bunkers.
[c] Gross basis.

Table 88

Thousand Barrels per Day

Major Importers of Oil

	1970	1971	1972	1973	1974	1975	1977	1978	1979	1980	1981
OECD											
United States	3,419	3,926	4,741	6,256	6,088	6,056	8,808	8,364	8,388	6,767	5,982
Canada	800	866	941	1,054	901	870	739	677	634	595	567
Japan	4,206	4,442	4,839	5,576	5,460	5,008	5,454	5,347	5,635	5,091	4,650
European Community											
France	2,146	2,333	2,557	2,875	2,742	2,278	2,514	2,494	2,762	2,549	2,177
Italy	2,345	2,426	2,485	2,669	2,516	2,121	2,302	2,363	2,435	2,152	2,126
United Kingdom	2,487	2,586	2,613	2,738	2,585	2,052	1,691	1,596	1,471	1,158	925
West Germany	2,676	2,764	2,880	3,046	2,796	2,509	2,768	2,848	2,972	2,692	2,278
Other countries											
Brazil	380	456	515	751	728	731	837	945	984	932	820
India	264	304	313	343	340	320	356	376	414	459	450
Philippines	188	186	188	191	188	197	216	217	222	223	208
Thailand	105	129	151	172	142	167	186	218	225	233	215

Table 89

Thouand Barrels per Day

Imports of Crude Oil and Refined Products by the OECD Countries, 1981

	OECD	US[a]	Japan	Canada	Western Europe								Australia	New Zealand
					Total	West Germany	France	United Kingdom	Italy	Netherlands	Spain	Other		
Algeria	804	303	47	17	437	148	112	13	76	31	39	18	0	0
Bahrian	45	0	27	0	4	0	2	NEGL	NEGL	2	0	NEGL	9	5
Egypt	254	36	5	0	213	12	7	30	144	1	11	8	0	0
Iraq	507	19	58	NEGL	430	4	46	8	156	2	46	168	0	0
Kuwait	583	1	255	12	279	18	25	87	40	75	13	21	32	4
Libya	1,185	432	21	8	724	216	32	9	214	19	91	143	0	0
Qatar	344	7	150	0	182	6	52	1	33	47	30	13	0	5
Saudi Arabia	7,232	1,247	1,708	170	3,979	518	932	348	649	355	294	883	108	20
Syria	27	6	3	0	18	0	18	0	0	0	0	0	0	0
United Arab Emirates	1,247	197	581	3	449	72	145	44	45	25	52	66	17	0
OAPEC	12,228	2,248	2,855	210	6,715	994	1,371	540	1,357	557	576	1,320	166	34
Ecuador	76	49	26	0	1	0	0	0	1	0	0	0	0	0
Gabon	101	45	0	0	56	7	16	6	5	13	9	0	0	0
Indonesia	1,168	386	705	0	35	3	0	0	24	3	0	5	29	13
Iran	482	4	135	0	343	30	29	25	56	10	101	92	0	0
Nigeria	1,180	672	21	4	483	103	111	3	48	100	37	81	0	0
Venezuela	1,161	594	47	147	373	30	43	25	115	15	73	72	0	0
OPEC[b]	16,070	3,956	3,754	361	7,771	1,155	1,543	569	1,462	695	785	1,562	186	42
Canada	464	445	8	0	10	NEGL	1	NEGL	1	1	3	4	1	0
Mexico	975	555	72	58	290	3	56	8	38	22	156	7	0	0
Other[c]	3,185[d]	984	781	148	2,049[e]	1,118	550	311	481	689	99	1,595	43	22
Total	**20,556[d]**	**5,982**	**4,650**	**567**	**10,355[e]**	**2,288**	**2,177**	**918**	**2,126**	**1,410**	**1,054**	**3,176**	**239**	**69**
Consumption	35,352	15,983[f]	4,742	1,683	12,271	2,331	2,000	1,487	1,873	715	990	1,916	594	79

[a] Products traced to source of crude.

[b] OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.

[c] Including unknown.

[d] Excluding intra-OECD trade.

[e] Excluding intra-West European trade.

[f] Including bunkers, refinery fuel, losses, and refinery gains.

Table 90 Billion Cubic Feet

Natural Gas Production[a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD[b]	**13,700**	**18,200**	**27,100**	**31,100**	**30,700**	**29,500**	**29,900**	**29,900**	**31,300**	**30,000**	**29,900**
United States[c]	12,770	16,040	21,920	22,650	21,600	20,110	20,025	19,975	20,470	20,380	20,370
Australia[d]	NEGL	NEGL	53	145	160	175	240	255	285	310	420
Canada	525	1,440	2,275	3,120	3,045	3,090	3,230	3,130	3,345	2,450	2,410
Norway	0	0	0	0	0	10	90	450	905	885	920
European Community	**356**	**613**	**2,690**	**5,010**	**5,700**	**5,950**	**6,060**	**5,870**	**6,040**	**5,790**	**5,510**
France	100	178	243	260	270	260	270	280	275	265	265
Italy	228	276	465	540	540	515	455	465	455	440	420
Netherlands	12	57	1,117	2,640	3,120	3,385	3,320	3,150	3,300	3,090	2,860
United Kingdom	NEGL	4	398	1,020	1,230	1,275	1,435	1,350	1,365	1,285	1,340
West Germany	16	98	465	550	540	515	580	625	630	670	580
Other countries											
Argentina	49	149	212	240	255	280	305	295	295	330	365
Iran	34	43	71	695	785	770	740	685	705	292	52
Kuwait	33	63	180	185	185	185	210	220	305	305	356
Mexico[e]	222	250	481	540	560	585	600	745	920	1,299	1,480
Venezuela	163	250	349	460	475	450	525	510	575	520	605
Communist countries[f]											
USSR and Eastern Europe	**2,040**	**5,230**	**8,250**	**10,000**	**10,900**	**12,000**	**14,200**	**15,200**	**16,300**	**17,300**	**18,400**
USSR[c]	1,600	4,508	6,990	8,346	9,201	10,215	12,219	13,144	14,359	15,370	16,421
Eastern Europe	**435**	**722**	**1,260**	**1,660**	**1,720**	**1,800**	**2,010**	**2,070**	**1,950**	**1,950**	**1,970**
Bulgaria	0	3	17	8	6	4	NEGL	1	5	7	5
Czechoslovakia	51	34	43	37	34	33	35	41	39	23	21
East Germany	1	5	44	248	273	257	300	300	300	300	300
Hungary	12	39	123	170	180	183	233	259	230	217	212
Poland	19	49	183	213	203	211	258	282	259	224	218
Romania	352	592	847	989	1,019	1,115	1,181	1,190	1,117	1,179	1,211
Other											
China	NA	39	136	226	260	325	441	485	512	504	444
Yugoslavia	2	12	35	47	51	55	67	68	66	64	78

[a] Data include only gas from natural gas wells and associated gas from petroleum fields.

[b] Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They exclude gas used for reinjection, as well as gas flared, vented, or wasted, whether or not it has been processed for the extraction of natural gasoline.

[c] Data for the United States are in terms of net marketed production. Data for the USSR refer to gross production less losses and waste. US gross production (less losses and waste), which includes gas reinjected in order to maintain reservoir pressure, would be as follows (in billion cubic feet):

1960	1965	1970	1973	1974	1975
14,510	17,660	23,790	24,070	22,850	21,100

1977	1978	1979	1980	1981
21,100	21,310	21,400	21,600	20,900

A much smaller share of total production in the USSR is believed to be used for reinjection.

[d] Twelve months ending 30 June of the stated year.

[e] Including gas used for repressuring and gas wasted.

[f] Gross production.

Table 91

Million Metric Tons

Hard Coal Production [a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD	**923**	**992**	**983**	**914**	**898**	**953**	**977**	**948**	**1,040**	**1,100**	**1,100**
United States	391.53	475.28	550.39	530.13	539.34	576.18	606.25	577.08	670.90	710.38	697.61
Australia	21.90	30.06	45.21 [b]	55.48 [b]	57.97 [b]	60.70	70.90	71.83	73.42	78.36	94.00
Canada	8.02	8.64	11.60	16.82	17.78	21.71	23.04	25.42	28.01	30.58	32.20
Japan [c]	51.07	49.53	39.69	22.41	20.33	19.00	18.25	18.99	17.64	18.03	17.69
Spain	13.78	12.94	10.75	10.00	10.45	10.82	12.07	11.69	11.50	12.73	14.27
European Community	**432**	**409**	**317**	**272**	**244**	**257**	**239**	**236**	**234**	**242**	**242**
Belgium	22.47	19.79	11.36	8.84	8.11	7.89	7.07	6.59	6.13	6.32	6.14
France	55.96	51.35	37.36	26.35	24.01	23.64	22.99	21.14	18.61	18.13	19.58
United Kingdom [d]	196.71	190.50	147.11	132.02	110.45	128.68	122.15	123.58	122.81	130.14	127.79
West Germany [e]	143.26	135.46	116.34	102.99	100.89	96.76	86.53	85.14	86.32	87.14	88.46
Other countries											
India	52.59	67.16	73.69	77.87	84.08	95.89	100.12	101.54	103.45	109.10	121.00
South Africa	38.17	48.46	54.61	62.35	66.06	69.44	85.57	90.36	103.76	115.12	NA
South Korea	5.35	10.25	12.39	13.57	15.29	17.58	17.23	18.06	18.20	18.54	19.98
Communist countries											
USSR and Eastern Europe	**496**	**556**	**613**	**657**	**675**	**696**	**728**	**733**	**737**	**725**	**689**
USSR	355.92	397.64	432.72	461.22	473.37	485.00	503.00	501.00	497.00	493.00	487.00
Eastern Europe	**140**	**158**	**180**	**196**	**201**	**211**	**225**	**232**	**240**	**232**	**202**
Bulgaria	0.57	0.55	0.40	0.35	0.31	0.33	0.29	0.27	0.27	0.27	0.25
Czechoslovakia	26.40	27.76	28.20	27.78	27.97	28.12	27.96	28.30	28.11	27.68	27.50
East Germany	2.72	2.21	1.05	0.75	0.59	0.54	0.35	0.09	0.05	NEGL	NEGL
Hungary	2.85	4.36	4.15	3.41	3.21	3.02	2.93	2.95	3.00	3.07	3.07
Poland	104.44	118.83	140.10	156.63	162.00	171.62	186.11	192.62	200.94	193.12	163.02
Romania	3.40	4.66	6.40	7.17	7.11	7.32	7.15	7.42	8.11	8.06	8.00
Other											
China [f]	280.00	232.20	327.40	398.10	409.00	478.00	550.00	618.00	635.00	620.00	620.00
North Korea	6.80	12.30	21.80	26.40	25.80	30.40	32.00	33.60	34.60	35.00	35.00
Yugoslavia	1.28	1.17	0.64	0.58	0.60	0.60	0.51	0.47	0.43	0.39	0.38

[a] Unless otherwise indicated, data are for net production of anthracite and bituminous coal.

[b] Twelve months ending 30 June of the stated year.

[c] Including brown coal.

[d] Excluding data for Northern Ireland.

[e] Including low-quality coal at its hard-coal equivalent.

[f] Raw production. Including a negligible amount of brown coal.

Table 92 Million Metric Tons

Brown Coal and Lignite Production

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD	**111**	**155**	**166**	**190**	**202**	**210**	**229**	**240**	**256**	**266**	**283**
United States	2.49	4.56	7.21	12.88	14.06	17.71	26.24	30.89	38.01	42.31	46.41
Australia	15.21	20.99	24.18 [a]	24.68 [a]	27.30 [a]	28.18	29.27	32.87	32.54	32.89	32.70
Austria	5.97	5.45	3.67	3.63	3.63	3.40	3.13	3.07	2.74	2.88	3.06
Canada	1.97	1.87	3.46	3.65	3.48	3.55	5.48	5.06	5.02	5.98	6.60
Spain	1.76	2.77	2.83	3.00	2.88	3.38	5.81	8.27	10.03	15.71	20.68
Turkey	1.91	3.09	4.44	5.73	6.34	7.11	8.56	9.32	9.35	9.50	10.00
European Community	**104**	**113**	**120**	**136**	**144**	**146**	**151**	**150**	**158**	**156**	**163**
Greece	2.49	5.09	8.08	13.57	14.40	18.41	23.57	21.67	23.39	21.72	27.72
West Germany	96.22	101.91	107.77	118.66	126.04	123.38	122.95	123.59	130.58	129.83	130.62
Other countries											
India	0.05	2.30	3.54	3.32	3.04	2.79	3.59	3.61	3.25	4.55	6.00
Communist countries											
USSR and Eastern Europe [b]	**469**	**550**	**587**	**588**	**589**	**602**	**615**	**622**	**627**	**630**	**633**
USSR	134.21	147.44	144.74	153.47	157.18	160.00	160.00	163.00	161.00	160.00	155.00
Eastern Europe	**335**	**403**	**442**	**434**	**432**	**442**	**455**	**459**	**466**	**470**	**478**
Bulgaria	15.42	24.49	28.85	26.46	24.00	27.52	24.89	25.53	27.96	29.95	28.98
Czechoslovakia	57.89	72.33	81.30	81.25	82.16	86.27	93.24	94.88	96.21	95.73	95.30
East Germany	225.47	250.84	261.48	246.25	243.47	246.71	253.70	253.26	256.06	258.10	266.60
Hungary	23.68	27.08	23.68	23.37	22.55	21.87	22.53	22.72	22.66	22.64	22.88
Poland	9.33	22.63	32.77	39.22	39.83	39.87	40.76	41.01	38.08	36.87	35.54
Romania	3.36	5.63	14.13	17.68	19.79	19.77	19.63	21.85	24.66	27.10	29.00
Other											
North Korea [c]	3.80	5.50	5.70	6.60	NA	7.60	8.00	8.40	8.60	8.80	8.90
Yugoslavia	21.43	28.79	27.78	31.87	32.98	34.94	38.57	39.22	41.68	46.61	51.86

[a] Twelve months ending 30 June of the year stated.

[b] Net output.

[c] Including unknown amounts of hard coal.

Table 93 Billion Kilowatt-Hours

Electricity Production [a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD [b]	**1,710**	**2,430**	**3,520**	**4,300**	**4,340**	**4,400**	**4,890**	**5,090**	**5,260**	**5,160**	**5,220**
United States [c]	893.72	1,229.64	1,742.73	2,081.23	2,086.28	2,131.06	2,361.71	2,436.01	2,472.14	2,437.82	2,447.98
Of which: Hydro	149.12	196.98	250.70	275.33	303.95	303.15	223.97	283.83	281.55	276.02	260.68
Australia	23.20	36.91	53.89	64.80	69.74	73.93	82.52	88.52	93.70	97.93	103.10
Canada	115.10	146.32	208.34	268.64	285.48	278.74	323.79	342.69	359.61	373.97	387.79
Japan [c]	111.49	188.38	359.54	470.29	459.04	475.79	532.61	563.99	589.64	514.03	521.87
Norway	31.14	48.95	57.61	73.06	76.70	77.48	79.72	81.11	88.99	83.99	93.52
Spain	18.61	31.72	56.49	76.27	80.86	82.38	93.80	99.54	105.41	110.32	110.70
Sweden	34.72	49.11	60.64	78.08	75.13	80.57	90.02	92.90	94.28	93.58	99.58
European Community	**428**	**622**	**866**	**1,050**	**1,060**	**1,050**	**1,150**	**1,210**	**1,270**	**1,260**	**1,260**
Belgium	15.15	21.71	30.52	41.07	42.76	41.07	47.10	50.84	52.26	53.64	50.65
France	75.01	105.58	146.97	182.36	188.18	185.31	210.71	226.67	241.13	243.29	260.33
Italy	56.24	82.97	117.42	145.52	148.90	147.33	166.55	175.04	180.53	185.02	183.20
Netherlands	16.52	25.01	40.86	52.63	55.35	54.26	58.28	61.60	64.45	64.80	62.24
United Kingdom	136.97	196.50	249.11	281.87	273.13	271.99	283.09	287.69	299.86	285.05	277.72
West Germany	116.42	172.34	242.61	299.00	311.71	301.80	335.32	353.42	374.22	368.77	368.77
Communist countries											
USSR and Eastern Europe	**406**	**677**	**987**	**1,220**	**1,290**	**1,380**	**1,530**	**1,600**	**1,640**	**1,710**	**1,750**
USSR	292.27	506.67	740.93	914.61	975.75	1,038.61	1,150.07	1,201.90	1,238.20	1,293.88	1,325.00
Of which: Hydro	50.91	81.43	124.38	122.34	132.03	125.99	147.01	169.70	172.02	183.90	181.00
Eastern Europe	**114**	**170**	**246**	**301**	**319**	**340**	**381**	**402**	**404**	**420**	**420**
Bulgaria	4.66	10.25	19.52	21.96	22.81	25.24	29.71	31.49	32.48	34.84	36.96
Czechoslovakia	24.46	34.19	45.16	53.47	56.03	59.28	66.50	69.10	68.09	72.73	73.46
East Germany	40.30	53.61	67.65	76.91	80.29	84.51	92.00	95.96	96.85	98.81	100.69
Hungary	7.62	11.18	14.54	17.64	18.98	20.46	23.40	25.54	24.51	23.87	24.21
Poland	29.26	43.77	64.53	84.27	91.60	97.17	109.36	115.36	117.47	121.86	115.01
Romania	7.65	17.22	35.09	46.78	49.06	53.72	59.86	64.26	64.93	67.49	70.00
Other											
Albania	0.19	0.34	0.96	1.55	1.65	1.66	1.86	2.08	2.80	NA	NA
China	NA	63.00	107.00	150.00	164.00	187.00	223.40	256.55	281.95	300.60	306.00
Cuba	2.90	3.56	4.89	5.70	6.02	6.58	7.69	8.46	9.48	9.90	10.60
North Korea	9.14	13.40	16.50	19.60	22.10	22.00	20.00	22.00	25.00	24.00	25.00
Yugoslavia	8.93	15.52	26.02	35.06	39.46	40.04	48.58	51.25	54.97	59.44	60.10

[a] Data are for total (gross) production at generating centers and therefore include transmission losses and station use (see footnote [b]).

[b] Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

[c] Beginning in 1980, data are for public utilities only.

Table 94 Million Kilowatts

Installed Electricity Generating Capacity [a]

	1960	1965	1970	1973	1974	1975	1977	1978	1979	1980	1981
OECD											
United States [b]	186.53	254.52	360.33	459.25	495.36	527.35	579.40	598.50	615.69	630.94	634.04
Canada	23.03	29.35	42.83	54.38	57.53	61.35	70.58	74.51	77.23	NA	NA
Japan [c]	23.64 [d]	38.06	59.48	85.30	95.50	104.21	116.87	122.35	131.22	137.94	NA
Norway	6.61	9.92	12.91	15.44	16.39	16.93	17.56	18.05	18.94	19.91	NA
Spain	6.57	10.17	17.91	23.20	24.32	25.76	27.55	28.28	27.91	29.32	NA
Sweden	8.96	12.04	15.31	19.46	20.77	23.14	24.73	25.69	25.77	27.42	NA
European Community											
France	21.17 [e]	26.97 [e]	36.22	43.09	44.62	46.29	52.45	54.57	56.38	62.73	70.89
Italy	16.31 [e]	23.82 [e]	30.41	36.51	38.34	39.10	42.58	43.50	44.34	46.11	47.22
Netherlands	5.18	7.29	10.11	12.46	12.99	15.45	17.22	18.34	16.76	17.15	17.46
United Kingdom	36.60 [e]	49.29 [e]	62.06	72.65	74.11	73.92	72.67	72.79	74.33	73.75	72.73
West Germany	28.38 [e]	40.60 [e]	47.54	58.50	66.17	70.11	83.58	80.76	82.79	82.60	84.64
Communist countries											
USSR and Eastern Europe											
USSR	66.72	115.03	166.15	195.56	205.44	217.48	237.81	245.44	245.28	266.71	276.00
Eastern Europe											
Bulgaria	0.92	2.16	4.12	5.11	6.17	7.06	7.25	7.90	7.99	8.85	NA
Czechoslovakia	5.72	8.21	10.81	12.12	12.81	13.64	15.12	16.09	16.37	16.65	NA
East Germany	7.84	10.31	12.57	15.04	15.91	16.93	17.88	18.87	19.44	20.45	NA
Hungary	1.48	2.00	2.75	3.23	3.74	4.29	5.20	5.54	5.24	5.41	NA
Poland	6.32	9.67	13.89	17.73	19.13	20.06	21.75	23.83	24.79	25.29	25.52
Romania	1.78	3.26	7.35	10.12	10.58	11.58	13.63	14.15	15.60	16.11	NA
Other											
Cuba [f]	0.94	0.96	1.30	1.30	1.32	1.40	1.45	1.90	2.17	2.80	NA
North Korea	1.88	2.12	3.38	4.00	4.50	4.60	5.20	5.30	5.40	NA	NA
Yugoslavia	2.40	3.73	6.97	8.65	8.88	9.39	10.40	11.91	12.89	13.09	13.27

[a] All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.

[b] Beginning in 1981, data are for public utilities only.

[c] Data are for the year beginning 1 April of the stated year.

[d] Capacity as of 31 March 1961.

[e] Gross capacity.

[f] Including 410,000-kW capacity in industrial plants not linked to the national grid system.

Table 95 Thousand Megawatts

Installed Nuclear Electric Generating Capacity[a]

	1960	1970	1974	1975	1977	1978	1979	1980	1981
OECD	**0.9**	**14.3**	**49.2**	**62.7**	**84.3**	**93.3**	**106**	**113**	**128**
United States	0.4	6.0	29.4	37.4	47.6	50.1	50.3	52.2	55.3
Canada	0	0.2	2.5	2.5	4.0	4.8	5.5	5.5	5.5
Japan	0	0.8	3.7	5.0	7.6	11.0	14.5	14.5	15.0
Finland	0	0	0	0	0.4	0.4	1.1	1.1	2.2
Spain	0	0.2	1.1	1.1	1.1	1.1	1.1	1.1	2.0
Sweden	0	NEGL	1.0	2.4	3.7	3.7	3.7	4.6	6.5
Switzerland	0	0.4	1.0	1.0	1.0	1.0	1.9	1.9	1.9
European Community	**0.5**	**6.7**	**10.5**	**13.3**	**18.9**	**21.2**	**27.5**	**32.1**	**39.4**
Belgium	0	NEGL	NEGL	1.7	1.7	1.7	1.7	1.7	1.7
France	0.1	1.7	2.9	2.9	2.9	4.7	8.3	12.9	20.2
Italy	0	0.6	0.6	0.6	0.6	1.4	1.4	1.4	1.4
Netherlands	0	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
United Kingdom	0.4	3.4	4.3	4.3	7.0	7.0	7.0	7.0	7.0
West Germany	NEGL	0.9	2.2	3.3	6.2	5.9	8.6	8.6	8.6
Other countries									
Argentina	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
China (Taiwan)	0	0	0	0	0	0.6	1.2	1.2	1.2
India	0	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.8
Pakistan	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Korea	0	0	0	0	0	0.6	0.6	0.6	0.6
Communist countries									
USSR and Eastern Europe	**NEGL**	**1.0**	**4.8**	**6.8**	**9.3**	**11.2**	**12.9**	**16.1**	**19.4**
USSR	NEGL	0.9	3.8	4.8	7.3	8.3	10.2	12.5	15.4
Eastern Europe	**0**	**0.1**	**1.0**	**2.0**	**2.0**	**2.9**	**2.7**	**3.6**	**4.0**
Bulgaria	0	0	0.4	0.9	0.9	0.9	0.9	0.9	1.3
Czechoslovakia	0	0	0.1	0.1	0.1	0.6	0.4	0.9	0.9
East Germany	0	0.1	0.5	1.0	1.0	1.4	1.4	1.8	1.8

[a] Data are as of the end of the year and presented on a net basis except for Communist countries which are gross capacities.

Minerals and Metals

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Table 96

Million Metric Tons

Iron Ore Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD[b]									
United States[c]	90.21	88.84	91.20	80.13	56.64	82.89	87.09	70.73	75.50
Australia	4.40	6.80	51.20[d]	97.65[d]	95.92[d]	83.49[d]	91.70[d]	95.50[d]	91.50[d]
Canada[e]	19.55	36.25	47.46	46.90	55.40	42.93	59.62	50.87	49.84
Sweden	21.69	29.48	31.51	30.90	24.84	21.49	26.62	24.00	23.23
European Community	**112**	**93.3**	**81.2**	**62.4**	**47.0**	**42.3**	**40.2**	**34.1**	**25.9**
France	66.91	59.52	56.80	49.65	36.63	33.46	31.63	29.00	21.59
Luxembourg	6.98	6.32	5.72	2.32	1.54	0.84	0.63	0.60	0.25
United Kingdom	17.36	15.66	12.02	4.49	3.74	4.24	4.28	0.92	0.90
West Germany	18.90	10.80	5.53	3.29	2.47	1.60	1.65	1.95	1.58
Other countries[f]									
Brazil	9.35	20.75	40.20	89.99	82.00	84.99	104.08	123.00	120.00
India	10.70	23.80	31.37	41.41	42.60	38.84	39.53	40.70	41.00
Liberia	3.10	16.00	23.70	24.00	20.40	18.80	18.06	18.00	20.40
Venezuela	19.49	17.51	22.10	24.77	13.68	13.52	16.35	16.50	14.70
Communist countries									
USSR and Eastern Europe	**115**	**165**	**208**	**244**	**250**	**254**	**249**	**252**	NA
USSR	105.86	153.43	197.14	234.70	241.89	246.25	241.74	245.00	242.00
Eastern Europe	**9.34**	**12.0**	**10.8**	**9.13**	**7.97**	**8.11**	**7.47**	**6.74**	NA
Bulgaria	0.42	1.80	2.41	2.34	2.27	2.45	2.10	1.89	1.75
Czechoslovakia	3.12	2.45	1.61	1.77	1.99	2.02	2.01	1.93	1.93
East Germany	1.64	1.63	0.42	0.06	0.06	0.07	0.06	0.06	0.05
Hungary	0.52	0.76	0.63	0.64	0.52	0.53	0.53	0.43	0.42
Poland	2.18	2.86	2.55	1.25	0.66	0.53	0.25	0.10	0.10
Romania	1.46	2.48	3.21	3.07	2.47	2.51	2.52	2.33	NA
Other									
Albania	0.25	0.40	0.40	0.47	0.60	0.65	0.70	0.75	NA
China	100.00	38.30	72.30	109.00	89.00	117.80	119.30	120.00	120.00
North Korea	2.50	4.96	6.50	NA	6.00	7.00	7.00	NA	NA
Yugoslavia	2.20	2.50	3.69	5.24	4.45	4.56	4.62	4.53	4.79

[a] Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

[b] The metal content of the ore in the OECD countries follows: United Kingdom and West Germany, 28-31 percent; Luxembourg, 25 percent; France, 32 percent; United States and Canada, 61-62 percent; and Australia and Sweden, 60-65 percent.

[c] Excluding manganiferous iron ore containing 5 percent or more of manganese.

[d] Twelve months ending 30 June of the stated year.

[e] Shipments.

[f] The metal content of the ore in the other countries ranges from 60 percent to 68 percent.

Table 97 Thousand Metric Tons

Manganese Ore Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	73	27	4	0	0	0	0	0	0
Australia	62	102	751	1,560	1,384	1,248	1,698	1,961	1,397
Italy	49	48	50	0	9	10	10	9	9
Japan	324	303	270	158	126	104	88	80	87
Other countries									
Brazil	999	1,400	1,880	2,160	1,516	1,917	2,259	2,360	2,440
Gabon	0	1,280	1,450	2,240	1,929	1,754	2,300	2,147	1,850
Ghana [c]	545	604	405	409	292	316	272	252	225
India	1,200	1,650	1,650	1,580	1,865	1,619	1,755	1,645	1,500
South Africa	1,190	1,570	2,680	5,770	5,048	4,317	5,183	4,743	5,040
Communist countries									
USSR and Eastern Europe	**6,350**	**8,040**	**7,230**	**8,340**	NA	**9,240**	**10,400**	**10,200**	NA
USSR	5,872	7,576	6,841	8,459	8,595	9,057	10,244	10,000	9,300
Eastern Europe	**477**	**461**	**390**	**278**	NA	**182**	**179**	**187**	NA
Bulgaria	25	42	33	35	40	40	42	49	45
Hungary	123	213	169	131	120	114	95	90	NA
Romania	175	126	102	112	NA	28	42	48	NA
Other									
Yugoslavia	13	8	15	17	25	27	25	30	NA

[a] The metal content of the ore of various countries is as follows: the United States, more than 35 percent; other non-Communist countries and Cuba, 25-53 percent; the USSR, about 35 percent; Yugoslavia, about 35 percent; Romania, 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

[b] Shipments.

[c] Dry weight.

Table 98

Metric Tons

Tungsten Ore Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	3,160	3,430	4,220	2,490	2,730	3,130	3,015	2,722	3,538
Australia	1,900	950	1,260	1,498	2,358	2,681	3,193	3,575	3,318
Austria	110	90	80	360	1,116	1,179	1,496	1,495	1,500
Canada [b]	0	1,340	1,340	1,170	1,812	2,289	2,581	3,178	1,377
France	340	0	80	620	653	608	590	600	580
Japan	470	340	850	770	772	775	746	668	667
Portugal	1,390	780	1,080	1,420	1,005	1,104	1,377	1,467	1,500
Spain	440	20	410	350	307	358	394	377	380
Turkey	0	0	0	0	10	7	65	365	370
Other countries									
Bolivia	1,020	870	1,840	2,036	3,063	3,073	3,114	3,359	3,449
Brazil	810	180	1,160	1,130	1,212	1,165	1,177	1,136	1,200
Burma	470	160	220	490	278	471	692	823	815
Mexico	90	90	290	280	151	234	252	266	245
Peru	230	380	800	580	526	582	564	550	560
Rwanda	230	130	180	350	568	385	505	431	400
South Korea	2,730	2,130	2,070	2,400	2,634	2,681	2,713	2,569	2,643
Thailand	210	260	710	1,640	2,204	3,187	1,826	1,615	1,300
Communist countries									
USSR	5,400	6,660	6,900	8,100	8,500	8,800	9,000	9,200	9,400
China	13,990	8,140	5,470	6,710	6,470	8,660	10,130	NA	NA

[a] Data are for the estimated tonnage of contained tungsten.

[b] Shipments.

Table 99

Thousand Metric Tons

Chromite Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
Finland	0	0	121	331	407	161	435	341	341
Greece	31	51	26	35	72	69	87	78	70
Japan	68	42	33	24	18	9	12	13	11
Turkey	481	567	519	717	508	375	450	400	400
Other countries									
Brazil	5	24	28	173	310	270	340	287	410
India	101	60	271	500	352	266	309	320	325
Iran	68	129	200	172	233	198	136	80	30
Madagascar	0	2	131	194	165	138	128	180	160
Philippines	735	555	566	520	539	540	556	525	500
South Africa	772	942	1,427	2,078	3,059	3,145	3,297	3,414	2,870
Zimbabwe	606	586	363	590	677	478	542	552	530
Communist countries[b]									
USSR	1,200	2,500	3,000	3,500	3,400	3,300	3,200	3,400	3,300
Albania	289	312	466	779	880	1,010	1,015	1,020	NA
Cuba	10	14	8	13	7	10	10	NA	NA
Yugoslavia	101	80	41	2	2	2	2	2	2

[a] Data are in gross weight.

[b] Production of chrome ore. In the Communist countries, the chromic oxide content is estimated as follows: USSR, 46 percent; Albania, 45 percent; Cuba, 35 percent; and Yugoslavia, 26 percent.

Table 100 Thousand Metric Tons

Bauxite Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**5,370**	**7,060**	**16,900**	**29,000**	**33,600**	**31,100**	**34,800**	**35,000**	**33,800**
United States	2,030	1,680	2,125	1,800	2,013	1,669	1,821	1,559	1,510
Australia	70	1,190	9,260	21,000	26,086	24,293	27,583	27,178	26,500
European Community	**3,260**	**4,180**	**5,510**	**5,610**	**4,980**	**4,670**	**5,080**	**5,870**	**5,300**
Greece	884	1,270	2,290	3,010	2,882	2,664	2,915	3,886	3,300
France	2,070	2,660	2,990	2,560	2,059	1,990	2,134	1,953	1,829
Other countries									
Brazil	121	156	510	970	1,120	1,400	2,160	4,700	5,000
Guinea	1,378	1,870	2,490	8,400	10,841	10,456	13,700	13,780	14,000
Guyana	2,511	2,919	4,417	3,251	2,731	2,425	2,312	2,348	2,400
Jamaica	5,840	8,650	12,000	11,600	11,433	11,777	11,505	12,200	11,664
Suriname	3,460	4,360	6,020	4,930	4,805	5,188	5,010	4,696	4,000
Communist countries									
USSR and Eastern Europe	**4,380**	**6,790**	**8,970**	**11,200**	**11,800**	**12,100**	**12,400**	**12,500**	NA
USSR [a]	3,100	5,300	6,700	8,000	8,500	8,800	9,000	9,100	9,100
Eastern Europe	**1,280**	**1,490**	**2,270**	**3,240**	**3,340**	**3,290**	**3,420**	**3,400**	NA
Hungary	1,190	1,477	2,022	2,890	2,949	2,899	2,976	2,950	2,900
Romania	88	12	250	350	390	395	440	470	NA
Other									
China [b]	640	1,120	1,500	2,800	3,200	3,200	3,300	3,300	3,300
Yugoslavia	1,025	1,574	2,098	2,306	2,044	2,566	3,012	3,138	3,249

[a] Including nonbauxite ore such as nepheline and alunite for the production of alumina.

[b] Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

Table 101

Million Metric Tons

Metallurgical Coke Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD[b]									
United States	51.92	60.65	60.35	51.90	48.13	44.17	48.00	41.85	38.81
Australia	2.68	3.10	4.98	5.24	4.67	5.00	8.14	8.20	8.10
Canada[c]	3.51	3.96	5.14	5.28	4.91	4.97	5.78	5.29	4.66
Japan	8.55	15.78	37.74	44.80	43.00	40.55	43.19	45.25	44.86
European Community	**93.2**	**91.4**	**90.5**	**78.2**	**65.5**	**61.5**	**64.6**	**69.5**	**64.2**
Belgium	7.52	7.33	7.12	5.73	5.57	5.75	6.27	6.32	6.30
France[c]	13.64	13.41	14.15	10.99	10.77	10.68	11.60	16.12	10.60
Italy	3.72	5.74	7.04	8.11	7.68	7.32	7.50	8.27	8.05
Netherlands[c]	4.52	4.28	2.00	2.68	2.50	2.40	2.53	2.50	2.50
United Kingdom	19.14	17.38	20.28	15.86	11.52	9.88	10.19	7.83	8.80
West Germany[d]	44.68	43.29	39.91	34.82	27.50	25.46	26.50	28.49	27.91
Communist countries									
USSR and Eastern Europe	**68.1**	**81.0**	**88.4**	**98.5**	**103**	**104**	**104**	NA	NA
USSR	51.48	61.74	68.72	75.65	78.46	78.85	79.20	NA	NA
Eastern Europe	**16.6**	**19.3**	**19.7**	**22.8**	**24.7**	**25.3**	**24.3**	**24.4**	NA
Bulgaria	0.02	0.68	0.77	1.24	1.30	1.27	1.22	1.21	NA
Czechoslovakia	6.82	7.87	8.28	9.24	8.80	8.79	8.54	8.41	NA
East Germany	0.74	0.94	0.53	0.56	0.65	0.63	0.63	0.65	NA
Hungary[e]	0.50	0.64	0.66	0.59	0.59	0.60	0.65	0.67	NA
Poland	7.68	7.99	8.37	8.93	10.21	10.52	10.20	10.41	NA
Romania	0.82	1.14	1.07	2.28	3.15	3.46	3.07	3.03	NA
Other									
China	NA	10.10	16.20	24.20	23.10	32.37	33.55	34.05	31.73
Yugoslavia	1.08	1.25	1.31	1.35	1.77	2.07	2.49	2.63	2.69

[a] Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.

[b] Net production, excluding coke consumed by coking plants.

[c] Including breeze coke.

[d] Including electrode coke but excluding low-temperature coke.

[e] A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

Table 102

Million Metric Tons

Pig Iron Production

	1960 [a]	1965 [a]	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	62.2	82.6	83.0	72.5	73.9	79.6	78.9	62.3	67.3
Australia	2.9	4.4	6.2	7.5	6.8	7.3	7.8	7.0	6.8
Canada	4.0	6.6	8.3	9.2	9.7	10.3	10.9	11.2	9.9
Japan	12.3	28.0	68.0	86.9	85.9	78.6	83.8	87.0	80.0
Spain	1.9	2.4	4.2	6.8	6.6	6.2	6.5	6.7	6.4
European Community	**70.9**	**82.3**	**97.6**	**88.8**	**87.1**	**89.1**	**97.8**	**88.8**	**88.1**
Belgium	6.5	8.3	10.8	9.1	8.9	9.4	10.8	9.8	9.8
France	14.4	15.8	18.7	17.5	17.9	18.1	19.0	18.7	17.0
Italy	2.8	5.6	8.3	11.4	11.4	11.3	11.3	12.1	12.3
United Kingdom	16.0	17.8	17.5	12.2	12.3	11.5	12.9	6.3	9.3
West Germany	25.8	27.0	33.4	29.9	28.7	29.9	34.9	33.7	31.9
Other countries									
Brazil	1.8	2.4	4.2	7.1	9.7	10.3	11.9	13.0	10.9
India	4.3	7.2	7.1	8.3	9.8	9.4	8.8	8.5	9.5
Mexico	0.8	1.6	2.3	3.0	4.3	5.1	5.0	5.3	5.6
South Africa	2.0	3.6	3.9	5.2	6.1	5.9	7.0	7.5	7.3
Communist countries									
USSR and Eastern Europe	**60.2**	**84.1**	**110**	**133**	**141**	**146**	**145**	**144**	**143**
USSR	46.8	66.2	85.9	103.0	107.4	110.7	109.0	107.0	108.0
Eastern Europe	**13.4**	**17.9**	**23.9**	**30.0**	**33.7**	**35.7**	**36.2**	**37.1**	**34.9**
Bulgaria	0.2	0.7	1.3	1.6	1.6	1.5	1.5	1.6	1.6
Czechoslovakia	4.7	5.9	7.6	9.3	9.7	9.9	9.5	9.8	9.9
East Germany	2.0	2.3	2.0	2.5	2.6	2.6	2.4	2.5	2.4
Hungary	1.2	1.6	1.8	2.2	2.3	2.3	2.4	2.2	2.2
Poland	4.2	5.4	7.0	7.8	9.7	11.2	11.5	12.0	9.4
Romania	1.0	2.0	4.2	6.6	7.8	8.2	8.9	9.0	9.4
Other									
China	27.5	13.8	22.0	33.8	25.0	34.8	36.7	38.0	34.2
North Korea	0.9	1.3	1.8	3.4	3.4	3.5	3.9	NA	NA
Yugoslavia	1.0	1.1	1.3	2.1	1.9	2.1	2.4	2.4	2.8

[a] Including ferroalloys.

Table 103

Million Metric Tons

Crude Steel Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	90.1	119.3	119.3	105.8	113.7	124.3	123.7	101.5	108.8
Australia [c]	3.7	5.4	6.8	7.8	7.3	7.6	8.1	7.6	7.5
Canada	5.3	9.2	11.2	13.0	13.6	14.9	16.1	15.9	14.8
Japan	22.1	41.2	93.3	102.3	102.4	102.1	111.7	111.4	101.7
Spain	1.9	3.5	7.4	11.2	11.1	11.3	12.3	12.6	12.9
Sweden	3.2	4.7	5.5	5.6	4.0	4.3	4.6	4.2	3.8
European Community	**97.7**	**114**	**138**	**127**	**127**	**134**	**141**	**129**	**126**
Belgium	7.2	9.2	12.6	11.6	11.3	12.6	13.4	12.3	12.3
France	17.1	19.3	23.8	21.5	22.1	22.8	23.4	23.1	21.3
Italy	8.3	12.7	17.3	21.8	23.3	24.3	24.2	26.5	24.6
United Kingdom	24.7	27.5	28.3	20.2	20.4	20.3	21.4	11.3	15.6
West Germany	34.1	36.8	45.0	40.4	38.9	41.3	46.0	43.8	41.6
Other countries									
Brazil [d]	2.3	3.0	5.4	8.3	11.2	12.1	13.9	15.3	13.2
India	3.3	6.4	6.1	7.1 [e]	9.9	10.0	10.0	9.4	10.8
Mexico	1.5	2.4	3.9	5.3	5.6	6.8	7.1	7.2	7.6
South Africa	2.1	3.5	4.8	6.5	7.4	7.9	8.9	9.1	8.9
Communist countries									
USSR and Eastern Europe	**86.4**	**120**	**156**	**193**	**204**	**211**	**209**	**210**	**206**
USSR	65.3	91.0	115.9	141.3	146.7	151.5	149.0	148.0	149.0
Eastern Europe	**21.2**	**28.5**	**39.8**	**51.3**	**57.5**	**59.8**	**60.3**	**61.6**	**57.4**
Bulgaria	0.2	0.6	1.8	2.3	2.6	2.5	2.5	2.6	2.5
Czechoslovakia	6.8	8.6	11.5	14.3	15.1	15.3	14.8	15.2	15.2
East Germany	3.8	4.3	5.0	6.5	6.8	7.0	7.0	7.3	7.5
Hungary	1.9	2.5	3.1	3.7	3.7	3.9	3.9	3.8	3.6
Poland	6.7	9.1	11.8	15.0	17.8	19.3	19.2	19.5	15.7
Romania	1.8	3.4	6.5	9.6	11.5	11.8	12.9	13.2	13.0
Other									
China	18.7	12.2	17.8	24.0	23.7	31.8	34.5	37.1	35.6
Cuba	NA	NEGL	0.1	0.3	0.3	0.3	0.3	0.3	0.3
North Korea	0.6	1.2	2.2	2.6	2.7	3.4	4.0	4.0	4.0
Yugoslavia	1.4	1.8	2.2	2.9	3.2	3.5	3.5	3.6	4.0

[a] Data are for ingots and steel for castings.

[b] Excluding steel for castings made in foundries operated by companies not producing ingots.

[c] Twelve months ending 30 June of the stated year.

[d] Excluding alloy steel.

[e] Ingots only.

Table 104

Million Metric Tons

Rolled Steel Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	69.35	90.09	82.37	72.54	82.69	88.85	90.96	76.07	78.94
Canada [a]	4.13	6.72	8.24	7.11	7.63	8.71	9.11	9.35	9.85
Japan	17.20	33.38	76.03	86.28	90.67	91.39	101.61	101.79	92.43
Spain [a]	1.27	3.16	5.46	8.94	9.34	9.60	9.75	10.14	10.65
European Community	**76.7**	**89.6**	**111**	**98.6**	**104**	**110**	**116**	**108**	**106**
Belgium	5.88	7.72	10.26	9.10	9.36	10.49	11.55	10.67	9.85
France	13.70	15.72	18.73	17.56	19.33	20.61	20.80	21.00	19.30
Italy	7.78	10.62	14.76	15.41	17.41	18.00	18.55	19.66	19.00
United Kingdom	18.41	20.76	22.18	15.57	16.51	16.35	16.69	10.08	12.90
West Germany	25.84	28.48	35.97	32.98	33.05	35.14	38.49	37.36	36.70
Communist countries									
USSR and Eastern Europe	**57.8**	**81.3**	**109**	**137**	**145**	**151**	**150**	**148**	**146**
USSR	43.68	61.65	80.65	98.69	102.14	105.43	103.24	103.00	103.00
Eastern Europe	**14.1**	**19.7**	**28.0**	**38.3**	**42.8**	**45.7**	**46.5**	**45.0**	**43.1**
Bulgaria	0.19	0.43	1.42	2.50	2.95	3.05	3.13	3.21	3.35
Czechoslovakia	4.48	6.09	7.94	10.03	10.59	10.79	10.78	10.76	10.79
East Germany	2.61	2.99	3.97	5.22	5.87	6.11	6.30	5.13	5.06
Hungary	1.19	1.70	2.04	2.68	3.08	3.19	3.24	3.04	2.82
Poland	4.42	6.13	8.14	11.08	11.95	13.56	13.57	13.55	11.06
Romania	1.25	2.35	4.50	6.81	8.39	8.96	9.48	9.32	10.00
Other									
China	11.30	9.10	13.40	16.80	16.00	22.08	24.97	27.16	26.65
Yugoslavia	0.97	1.19	1.77	2.36	3.33	4.14	4.14	4.24	4.78

[a] Steel mill products.

Table 105

Thousand Metric Tons

Refined Nickel Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	12.9	12.2	14.0	20.1	34.2	33.7	39.9	39.4	42.4
Australia	0	0	1.0	34.0	34.1	37.3	39.3	35.3	42.5
Canada	127.5	160.4	189.3	157.8	152.0	89.2	83.7	152.3	115.0
Japan	18.7	26.5	89.9	78.0	93.9	79.2	105.9	109.3	93.6
Norway	30.4	31.8	38.5	37.1	38.2	23.7	30.6	36.9	37.0
European Community	**47.3**	**49.0**	**57.6**	**63.0**	**43.2**	**45.1**	**37.8**	**44.1**	**45.8**
France [b]	10.0	8.2	11.0	10.9	10.3	7.8	3.3	9.8	10.0
Greece	0	0	8.6	14.8	9.6	14.9	14.6	14.0	14.2
United Kingdom	34.3	40.5	36.7	37.3	23.2	21.4	18.9	19.3	21.6
Other countries									
Dominican Republic	0	0	0	30.0	24.9	14.3	25.1	14.0	18.8
New Caledonia	11.4	15.6	27.9	52.8	28.3	19.9	30.4	32.6	28.0
Communist countries [c]									
USSR	72.0	100.0	137.0	195.0	220.0	230.0	235.0	235.0	245.0
Cuba [d]	12.8	28.2	36.6	37.3	36.7	34.8	32.3	38.2	40.3

[a] Unless otherwise indicated, data are for refined metal and the nickel content of ferronickel and nickel oxide.

[b] Excluding data for New Caledonia.

[c] Czechoslovakia and East Germany each produce a small amount of refined nickel.

[d] Nickel content of oxides and sulfides.

Table 106

Thousand Metric Tons

Refined Copper Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	1,650	1,973	2,074	1,632	1,707	1,869	2,014	1,726	2,026
Australia	84	95	146	192	183	174	173	166	189
Canada	378	394	493	529	509	446	397	505	474
Japan	248	366	705	819	934	959	984	1,014	1,050
Spain	42	59	83	130	159	147	144	158	160
European Community	**796**	**904**	**996**	**958**	**1,090**	**979**	**935**	**972**	**797**
Belgium	212	280	338	332	465	389	369	374	213
United Kingdom	219	228	205	152	122	126	122	163	136
West Germany	309	342	406	422	440	405	383	374	387
Other countries									
Chile	226	289	465	534	676	749	780	800	815
Peru	30	40	36	71	188	186	231	240	200
Zaire	145	153	190	226	99	103	103	144	165
Zambia	403	522	581	629	648	628	562	618	550
Communist countries									
USSR and Eastern Europe	**576**	**840**	**1,220**	**1,750**	**1,890**	**1,980**	**2,030**	**2,070**	**2,050**
USSR	475	700	1,015	1,320	1,400	1,460	1,500	1,520	1,530
Eastern Europe	**101**	**140**	**204**	**428**	**489**	**515**	**534**	**554**	**524**
Bulgaria	14	24	38	50	53	55	60	63	63
Czechoslovakia	10	12	17	23	23	24	31	26	26
East Germany	40	40	40	50	50	50	50	51	51
Hungary	8	12	12	13	15	15	16	16	16
Poland	22	37	72	249	307	332	336	357	327
Romania	7	15	25	43	41	39	41	41	41
Other									
Albania	1	4	6	7	8	9	10	12	NA
China	90	200	290	300	300	300	320	320	320
Cuba [b]	NA	6	NEGL	3	3	3	3	3	3
Yugoslavia	35	56	89	138	117	140	138	131	133

[a] Data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

[b] Copper concentrate.

Table 107

Thousand Metric Tons

Primary Aluminum Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	1,827	2,498	3,607	3,519	4,118	4,358	4,557	4,654	4,489
Australia	12	87	206	214	248	263	270	303	300
Canada	691	753	972	887	973	1,048	860	1,074	1,230
Japan	133	294	733	1,013	1,188	1,057	1,010	1,091	771
Norway [a]	171	276	522	595	623	639	652	660	638
Spain	29	52	120	210	211	212	260	386	400
European Community	**520**	**735**	**1,040**	**1,950**	**2,120**	**2,150**	**2,160**	**2,130**	**2,140**
France	238	340	381	383	399	391	395	432	389
Greece	NA	NA	91	136	130	144	141	147	148
Italy	84	124	147	190	260	271	269	191	275
Netherlands	0	0	75	258	241	261	259	258	262
United Kingdom [a]	29	36	40	308	349	346	359	374	339
West Germany	169	234	309	678	742	740	741	731	730
Other countries									
Brazil	18	30	56	121	167	186	238	261	256
Ghana	0	0	113	143	153	111	169	188	187
India	18	62	161	167	184	205	212	185	210
Communist countries									
USSR and Eastern Europe	**751**	**1,150**	**1,850**	**2,610**	**2,750**	**2,810**	**2,890**	**NA**	**NA**
USSR	620	970	1,490	2,130	2,270	2,330	2,410	2,460	2,475
Eastern Europe	**131**	**176**	**359**	**480**	**481**	**481**	**483**	**NA**	**NA**
Czechoslovakia	20	26	31	43	37	37	37	38	32
East Germany	35	45	56	60	60	60	60	NA	NA
Hungary	50	58	66	70	71	71	72	73	76
Poland	26	47	99	103	104	100	97	95	66
Romania [b]	0	0	107	204	209	213	217	241	240
Other									
China	80	140	188	357	400	400	415	415	415
Yugoslavia	25	39	48	168	197	196	190	185	197

[a] Including the pure content of virgin alloys.

[b] Including aluminum alloys.

Table 108

Thousand Metric Tons

Smelter Production of Lead [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	347	379	605	577	549	565	576	550	500
Australia [c]	247	227	351	311	338	356	385	361	342
Canada	145	169	186	172	187	194	184	162	175
Japan	69	103	178	152	187	189	188	185	183
Spain	71	54	76	73	85	83	87	88	90
Sweden	45	40	41	38	28	32	27	26	27
European Community	**369**	**404**	**451**	**400**	**419**	**419**	**394**	**424**	**417**
Belgium [d]	93	111	89	106	104	104	92	106	102
France	74	98	120	102	127	135	121	127	128
Italy	42	45	54	33	24	23	19	23	25
United Kingdom [e]	16	23	44	26	35	30	32	30	27
West Germany	140	104	113	92	105	105	103	112	110
Other countries									
Mexico	186	154	150	173	154	166	173	146	157
Peru	74	87	72	71	79	75	86	87	75
Communist countries									
USSR and Eastern Europe	**404**	**549**	**676**	**783**	**841**	**849**	**849**	**863**	**NA**
USSR	300	385	470	540	575	580	585	600	600
Eastern Europe	**104**	**164**	**206**	**243**	**266**	**269**	**264**	**263**	**NA**
Bulgaria	40	93	99	110	120	120	120	120	120
Czechoslovakia	12	15	18	18	19	19	19	20	NA
Poland [f]	40	41	54	76	85	87	84	82	69
Romania [f]	12	15	35	39	42	43	41	41	NA
Other									
Yugoslavia	89	102	97	126	128	117	111	102	86

[a] Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

[b] Excluding refined lead produced from imported base bullion.

[c] Including lead bullion.

[d] Including secondary metal, remelted lead, and alloys.

[e] Lead bullion from imported ores and concentrates.

[f] Probably including some secondary metal.

Thousand Metric Tons

Refined Zinc Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**2,210**	**2,780**	**3,540**	**3,180**	**3,600**	**3,590**	**3,970**	**3,780**	**4,080**
United States [b]	788	978	866	450	454	441	525	370	345
Australia	122	202	264	200	256	294	310	306	299
Canada	237	326	418	427	495	495	580	592	619
Finland	0	0	56	110	138	133	147	147	140
Japan	180	318	676	722	805	793	816	785	720
Spain	47	54	88	138	156	177	182	152	155
European Community	**783**	**842**	**1,090**	**1,050**	**1,210**	**1,160**	**1,300**	**1,330**	**1,700**
Belgium	248	238	232	218	258	240	262	255	247
France	146	192	224	181	238	231	249	253	257
Italy	85	81	142	180	169	177	203	203	187
Netherlands	36	42	47	124	109	135	154	170	183
United Kingdom	76	107	147	53	81	74	77	87	58
West Germany	192	182	301	295	355	307	356	365	767
Other countries									
Mexico	53	90	81	154	174	173	162	144	140
Communist countries									
USSR and Eastern Europe	**577**	**770**	**1,030**	**1,210**	**1,250**	**1,260**	**1,250**	**1,270**	**N.A.**
USSR [c]	360	475	690	820	860	875	890	900	900
Eastern Europe	**217**	**295**	**340**	**393**	**386**	**380**	**364**	**369**	NA
Bulgaria	17	66	76	86	90	92	92	90	NA
East Germany	4	14	15	15	16	16	17	18	NA
Poland	176	190	209	243	228	222	209	215	167
Romania	20	25	40	49	52	50	46	46	NA
Other									
Yugoslavia	36	46	65	98	99	92	99	85	96

[a] Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

[b] Including production from secondary smelters.

[c] Primary metal only.

Table 110

Thousand Metric Tons

Titanium Sponge Metal Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	4.8	8.2	13.9	14.4	12.5	16.0	20.0	21.0	24.0
Japan	2.3	4.8	9.2	7.6	6.4	9.2	13.2	19.4	24.9
Communist countries									
USSR	4.5	15.8	31.6	47.4	50.0	51.3	53.0	56.0	60.0

[a] Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.

[b] Approximate output based on reports from various trade publications.

Table 111

Metric Tons

Cobalt Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
Australia	13	91	469	600	1,000	1,360	1,540	1,600	1,600
Canada	1,970	2,010	2,069	1,354	1,485	1,234	1,640	1,603	2,270
Finland	NA	1,493	1,270	1,402	1,227	1,212	1,065	1,035	1,030
Other countries									
Morocco	1,271	1,832	640	1,961	1,015	1,134	961	838	750
Zaire	8,222	8,388	13,958	13,971	10,200	13,300	15,000	15,500	15,500
Zambia	1,847	1,544	2,399	2,900	1,704	2,063	3,176	3,310	4,500
Communist countries									
USSR	1,600	2,300	3,700	5,000	5,400	5,600	5,800	6,000	6,300
Cuba	NA	714	1,208	1,240	1,220	1,150	1,080	NA	NA

[a] Recoverable cobalt content of ores mined, unless otherwise indicated.

Table 112 Metric Tons

Smelter Production of Primary Tin[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	13,700	3,150	4,540	6,500	6,720	5,900	4,600	3,000	3,000
Australia	2,290	3,230	5,210	5,250	5,560	5,130	5,420	4,820	4,230
Spain	470	1,820	3,910	5,250	5,340	4,600	4,400	4,500	4,500
European Community	**42,500**	**40,900**	**33,400**	**17,800**	**19,000**	**16,800**	**14,100**	**12,800**	**11,800**
Belgium	8,390	4,300	4,260	4,560	3,520	3,300	2,160	2,800	2,200
United Kingdom	26,800	16,800	22,000	11,520	10,460	8,440	8,020	5,830	6,700
Other countries									
Bolivia	1,020	3,470	300	7,530	13,040	16,250	14,950	18,190	19,940
Brazil	NA	1,435	3,100	5,400	7,690	9,310	10,130	8,800	7,640
Indonesia	2,010	1,210	5,190	17,800	24,000	25,830	27,790	30,470	32,000
Malaysia	77,600	73,600	91,500	83,100	66,300	71,950	73,070	71,300	68,500
Nigeria	NA	9,480	8,070	4,680	3,320	2,980	2,860	2,680	2,700
Thailand	220	5,610	22,000	16,600	23,100	28,940	33,060	34,700	31,000
Communist countries									
USSR	10,600	14,000	21,000	25,000	28,500	30,000	32,500	32,500	33,000
East Germany	1,000	1,200	1,200	1,200	1,200	1,300	1,500	NA	NA
China	29,000	12,000	10,000	18,000	13,000	15,000	17,000	18,000	18,000

[a] Excluding tin derived from scrap or detinning.

Table 113

Thousand Metric Tons

Primary Magnesium Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	36	74	102	109	114	136	147	154	165
Canada	7	9	9	4	8	8	9	9	9
Japan	2	4	10	9	9	11	11	9	6
Norway	10	26	35	38	38	39	44	44	44
European Community									
France	2	3	5	8	9	9	9	9	9
Italy	5	6	8	7	9	10	9	8	8
Communist countries									
USSR	25	50	80	98	100	100	103	104	106

Table 114

Million Troy Ounces

Gold Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	1.67	1.71	1.74	1.05	1.10	1.00	0.97	0.95	1.30
Australia	1.09	0.88	0.62	0.53	0.63	0.65	0.60	0.54	0.53
Canada	4.63	3.60	2.41	1.65	1.73	1.74	1.64	1.63	1.51
Japan	0.26	0.26	0.26	0.14	0.15	0.15	0.13	0.10	0.10
Other countries									
Brazil	0.11	0.16	0.17	0.17	0.28	0.30	0.32	1.30	1.20
Colombia	0.43	0.32	0.20	0.31	0.26	0.26	0.27	0.51	0.54
Ghana	0.89	0.76	0.71	0.52	0.48	0.40	0.36	0.35	0.30
India	0.16	0.13	0.10	0.09	0.10	0.09	0.08	0.08	0.08
Mexico	0.30	0.22	0.20	0.14	0.21	0.20	0.19	0.20	0.18
Nicaragua	0.21	0.20	0.12	0.07	0.06	0.07	0.06	0.06	0.05
Philippines	0.41	0.44	0.60	0.50	0.58	0.59	0.54	0.59	0.67
South Africa	21.38	30.55	32.20	22.94	22.50	22.65	22.62	21.67	21.12
Zaire	0.31	0.09	0.18	0.10	0.08	0.08	0.07	0.04	0.07
Zimbabwe	0.56	0.55	0.44	0.35	0.40	0.40	0.39	0.37	0.36
Communist countries									
USSR	3.63	5.33	7.00	8.29	9.19	9.54	9.87	10.20	10.40

Table 115

Thousand Troy Ounces

Platinum-Group Metals Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [a]	24	35	17	19	6	8	7	3	6
Canada	460	463	482	399	465	346	198	411	608
South Africa [b]	406	754	1,500	2,600	2,870	2,860	3,017	3,100	3,100
USSR	1,000	2,000	2,500	3,300	3,400	3,500	3,600	3,700	3,900

[a] Crude placer platinum and byproduct metals recovered largely from domestic copper refining.

[b] Platinum-group metals from platinum ores and osmium and iridium from gold ores.

Table 116

Metric Tons

Molybdenum Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**32,000**	**40,000**	**66,400**	**61,200**	**72,300**	**74,000**	**76,600**	**80,600**	**77,700**
United States	31,000	35,100	50,500	48,100	55,523	59,803	65,307	68,351	63,458
Canada [b]	348	4,340	15,300	13,000	16,568	14,068	11,175	12,198	14,134
Japan	381	277	264	140	182	123	117	96	80
Other countries									
Chile	1,850	3,690	5,700	9,090	10,938	13,196	13,559	13,668	15,105
Peru	NEGL	680	607	651	463	729	1,182	2,658	2,488
Communist countries									
USSR	4,800	7,300	9,500	10,500	11,000	11,300	11,600	12,000	12,000

[a] Molybdenum content of ores and concentrates.

[b] Shipments.

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Table 117 Thousand Metric Tons

Caustic Soda Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**8,250**	**11,600**	**18,300**	**19,100**	**21,300**	**21,700**	**23,700**	**23,000**	NA
United States	4,510	6,207	9,200	8,694	9,918	10,259	11,587	10,529	9,662
Canada	338	583	860	845	1,014	1,036	1,060	1,459	1,458
Japan	869	1,344	2,685	2,948	2,870	2,776	3,021	3,157	2,872
European Community	**1,970**	**2,630**	**4,390**	**5,230**	**6,310**	**6,340**	**6,610**	**6,390**	NA
France	597	671	1,094	1,120	1,320	1,344	1,450	1,500	NA
Italy	429	691	999	1,002	1,130	988	986	953	870
West Germany	776	1,178	1,682	2,489	3,108	3,252	3,415	3,176	3,208
Communist countries									
USSR and Eastern Europe	**1,420**	**2,250**	**3,140**	**4,220**	**4,760**	**4,930**	**4,980**	**5,180**	NA
USSR	704	1,199	1,783	2,395	2,658	2,763	2,680	2,755	2,757
Eastern Europe	**716**	**1,050**	**1,360**	**1,830**	**2,100**	**2,170**	**2,300**	**2,420**	NA
Bulgaria	17	32	46	84	96	102	107	161	157
Czechoslovakia	115	158	189	257	312	311	312	326	331
East Germany	327	364	413	442	423	415	548	626	631
Hungary [b]	16	49	67	89	97	146	194	188	180
Poland	167	215	313	392	440	469	436	415	400
Romania	74	233	330	566	735	725	704	705	NA
Other									
China	NA	600	900	1,300	1,400	1,600	1,800	1,900	1,923
Cuba	NA	2	4	4	5	5	4	3	8
Yugoslavia	48	88	93	97	96	86	102	136	178

[a] Pure caustic soda (100 percent NaOH), including tonnage not commercialized but used on site for processing.

[b] Including regenerated caustic soda.

Table 118 Thousand Metric Tons of N

Synthetic Ammonia Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	3,595[b]	6,618	10,315	12,232	12,982	12,773	13,821	14,664	14,209
Canada	382[b]	453	1,007	1,336	2,162	2,343	2,405	2,556	NA
Japan	1,059	1,779	2,682	2,990	2,202	2,368	2,328	2,110	1,833
European Community	**3,420**	**5,110**	**6,780**	**8,110**	**8,100**	**8,240**	**8,800**	**8,520**	NA
France	724	1,281	1,619	1,941	2,034	2,035	2,150	2,085	NA
Italy	724	1,035	1,272	1,452	1,168	1,444	1,458	1,409	1,211
Netherlands	410	661	1,340	1,908	2,166	2,115	2,327	2,275	NA
West Germany	1,242	1,659	1,821	1,981	1,989	1,955	2,161	2,044	1,840
Communist countries									
USSR and Eastern Europe	**2,180**	**5,000**	**10,400**	**16,200**	**17,800**	**19,000**	**19,800**	**21,400**	NA
USSR	1,138	3,137	6,282	9,868	10,744	11,462	12,278	13,762	14,650
Eastern Europe	**1,040**	**1,860**	**4,090**	**6,340**	**7,100**	**7,530**	**7,500**	**7,660**	NA
Bulgaria	111	338	788	935	995	960	951	1,009	1,023
Czechoslovakia	153	254	432	710	791	812	804	841	NA
East Germany	392	438	481	919	1,130	1,137	1,079	1,159	NA
Hungary	67	173	414	513	729	746	803	900	NA
Poland	285	440	1,187	1,707	1,665	1,616	1,530	1,483	1,465
Romania	29	218	792	1,559	1,793	2,259	2,333	2,267	NA
Other									
China[c]	490	1,387	2,970	5,911	7,734	9,287	10,727	12,150	11,990
Yugoslavia	12	114	285	391	417	416	419	395	NA

[a] Unless otherwise indicated, nitrogen content of synthetic ammonia. To convert to actual production of synthetic ammonia, multiply by 1.2158.

[b] Data are for 1961.

[c] Including only ammonia produced for fertilizer.

Table 119 Thousand Metric Tons

Sulfuric Acid Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**38,700**	**51,400**	**61,600**	**64,900**	**74,800**	**75,500**	**79,300**	**80,300**	**74,900**
United States [b]	16,223	22,544	26,785	29,357	35,821	37,479	39,194	40,163	36,615
Japan	4,452	5,655	6,925	5,997	6,395	6,437	6,582	6,778	6,572
European Community	**12,700**	**16,100**	**18,800**	**18,200**	**20,200**	**20,600**	**21,500**	**20,600**	**19,200**
France	2,046	2,916	3,682	3,758	4,501	4,584	4,904	4,950	4,360
Italy	2,299	2,979	3,327	3,006	2,946	2,945	2,956	2,629	2,400
United Kingdom	2,745	3,358	3,352	3,166	3,405	3,454	3,498	3,380	2,860
West Germany	3,170	3,751	4,435	4,157	4,678	4,680	5,066	4,777	4,824
Communist countries									
USSR and Eastern Europe	**7,890**	**12,800**	**18,100**	**27,300**	**29,600**	**31,100**	**30,900**	**31,500**	NA
USSR	5,398	8,518	12,059	18,645	21,104	22,411	22,364	23,033	24,100
Eastern Europe	**2,500**	**4,230**	**6,090**	**8,620**	**8,530**	**8,660**	**8,550**	**8,480**	NA
Bulgaria	123	318	502	854	860	974	998	852	920
Czechoslovakia	553	933	1,110	1,245	1,276	1,195	1,253	1,284	1,318
East Germany	730	985	1,099	1,002	927	971	952	958	NA
Hungary [c]	178	393	484	659	678	690	613	614	600
Poland	685	1,062	1,901	3,413	3,268	3,172	2,983	3,019	2,776
Romania	226	541	994	1,448	1,523	1,655	1,750	1,756	NA
Other									
China	NA	NA	NA	NA	NA	6,610	7,000	7,640	7,810
Cuba	NA	202	322	418	375	347	296	402	420
Yugoslavia	121	405	696	871	874	902	976	1,105	NA

[a] Pure (monohydrate) sulfuric acid (100 percent H_2SO_4).
[b] Including appreciable amounts produced in government-owned privately operated plants.
[c] Including oleum.

Table 120 Thousand Metric Tons

Mineral Fertilizer Production, Nutrient Content[a]

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD[b]	**22,300**	**33,900**	**43,300**	**46,300**	**51,700**	**55,300**	**59,100**	**59,300**
United States	7,410	11,933	15,789	18,221	18,950	20,918	22,508	23,245
Canada	496	2,545	4,465	6,226	8,435	8,720	9,474	9,816
Japan	1,544	2,203	2,770	2,142	2,142	2,164	2,202	1,850
Spain	674	1,043	1,604	1,794	1,937	2,085	2,097	2,148
European Community	**10,400**	**13,400**	**15,600**	**14,600**	**16,600**	**17,500**	**18,500**	**17,900**
France	3,021	4,161	4,644	5,418	4,734	4,969	5,059	4,924
Italy	1,110	1,590	1,621	1,511	1,685	2,121	2,262	2,064
West Germany	3,897	4,610	4,743	3,756	4,473	4,508	4,915	4,824

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Communist countries									
USSR and Eastern Europe	**6,510**	**12,000**	**20,800**	**32,900**	**35,500**	**36,400**	**34,800**	**37,200**	NA
USSR[c]	3,281	7,389	13,099	21,988	23,493	23,653	22,137	24,760	26,000
Eastern Europe	**3,230**	**4,640**	**7,710**	**10,900**	**12,000**	**12,700**	**12,600**	**12,400**	NA
Bulgaria	127	354	749	918	984	968	959	947	NA
Czechoslovakia	287	484	680	1,012	1,178	1,176	1,140	1,182	1,085
East Germany	2,166	2,506	3,244	3,985	4,470	4,628	4,740	4,735	4,787
Hungary	102	265	517	690	788	855	850	853	893
Poland	477	738	1,629	2,581	2,610	2,621	2,431	2,238	2,242
Romania	71	293	895	1,729	1,981	2,461	2,522	2,451	2,640
Other									
China	498	1,502	2,780	5,720	7,238	8,691	10,654	12,320	12,390
Yugoslavia	45	226	364	410	411	410	430	439	451

[a] Nitrogen fertilizer (in terms of nitrogen), phosphorus fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

[b] Data are for "fertilizer years"—in general, the year beginning 1 July.

[c] Including some products used for technical purposes.

Table 121 Thousand Metric Tons of N

Nitrogen Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD [a]	**8,460**	**13,400**	**19,300**	**21,200**	**22,600**	**24,400**	**26,300**	**26,400**
United States	2,739	5,081	8,161	9,591	9,495	10,076	11,180	11,788
Canada	286	377	726	775	1,578	1,674	1,709	1,755
Japan	1,030	1,615	2,105	1,557	1,446	1,457	1,458	1,202
Spain	110	323	592	825	906	929	950	960
European Community	**3,650**	**5,030**	**6,410**	**6,910**	**7,590**	**8,410**	**9,020**	**8,640**
Belgium	278	310	594	610 [b]	609 [b]	753 [b]	756 [b]	743 [b]
France	671	1,066	1,351	1,361	1,470	1,781	1,780	1,640
Italy	658	905	956	1,000	1,042	1,442	1,524	1,388
Netherlands	417	562	930	1,155	1,453	1,518	1,612	1,624
United Kingdom	449	666	748	1,055	1,199	1,147	1,316	1,167
West Germany	1,180	1,419	1,505	1,259	1,305	1,273	1,476	1,436
Other countries [a]								
India	110	232	846	1,508	2,000	2,173	2,224	2,164

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Communist countries									
USSR and Eastern Europe	**1,910**	**4,250**	**8,740**	**13,500**	**14,700**	**15,200**	**15,000**	**16,100**	NA
USSR [c]	1,003	2,712	5,423	8,535	9,114	9,299	9,151	10,241	10,900
Eastern Europe	**906**	**1,540**	**3,320**	**4,950**	**5,560**	**5,930**	**5,810**	**5,830**	NA
Bulgaria	86	260	602	672	705	685	677	730	753
Czechoslovakia	140	220	296	496	605	625	591	618	539
East Germany	334	348	395	538	838	892	875	943	967
Hungary	57	148	350	421	514	534	550	559	589
Poland	270	394	1,030	1,533	1,521	1,470	1,376	1,290	1,274
Romania	19	166	647	1,292	1,381	1,723	1,738	1,689	NA
Other									
China	404	1,240	2,443	5,026	6,360	7,637	8,821	9,990	9,860
Yugoslavia	4	90	238	278	311	306	314	296	316

[a] Data are for "fertilizer years"—in general, the year beginning 1 July. Including some technical nitrogen and anhydrous ammonia exported for further processing.

[b] Including Luxembourg.

[c] Including some nitrogen for technical purposes.

Table 122

Thousand Metric Tons of P_2O_5

Phosphate Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD[a]	**7,960**	**11,300**	**13,700**	**13,900**	**15,900**	**16,900**	**17,800**	**17,700**
United States	2,626	4,260	5,369	6,531	7,480	8,556	9,083	9,405
Australia	569	940	695	481	755	810	919	800
Canada	210	419	560	610	651	660	703	724
Japan	515	588	665	585	696	707	744	648
Spain	299	317	487	456	479	493	478	497
European Community	**3,160**	**4,010**	**4,900**	**3,910**	**4,550**	**4,390**	**4,520**	**4,210**
Belgium	289	415	745	625[b]	23[b]	592[b]	618[b]	590[b]
France[c] [d]	770	1,218	1,451	1,259	1,560	1,357	1,364	1,351
Italy	399	512	510	370	510	544	620	581
West Germany	750	857	946	649	722	696	735	687
Other countries								
Brazil	45	61	162	594	1,122	1,186	1,306	1,623

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Communist countries									
USSR and Eastern Europe	**1,850**	**3,470**	**5,500**	**8,120**	**8,770**	**9,090**	**9,200**	**9,080**	NA
USSR[c]	1,192	2,300	3,585	5,511	6,024	6,153	6,344	6,455	6,700
Eastern Europe	**658**	**1,170**	**1,910**	**2,610**	**2,750**	**2,930**	**2,860**	**2,630**	NA
Bulgaria	41	94	148	246	279	283	282	217	258
Czechoslovakia[c]	147	258	322	398	389	367	358	361	340
East Germany[c]	166	232	430	427	403	413	411	370	360
Hungary	45	117	167	206	165	185	165	149	158
Poland	207	344	599	929	966	1,026	931	843	866
Romania	52	127	244	404	548	660	709	689	NA
Other									
China[c]	94	262	330	680	860	1,033	1,817	2,310	2,510
Yugoslavia	41	136	126	132	100	97	116	143	134

[a] Data are for "fertilizer years"—in general, the year beginning 1 July.

[b] Including Luxembourg.

[c] Including production of ground phosphate rock for direct application and phosphate animal feeds.

[d] Beginning 1 May of the stated year.

Table 123

Thousand Metric Tons of K_2O

Potassium Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD [a]	**5,920**	**9,130**	**10,300**	**11,200**	**13,100**	**14,000**	**15,000**	**15,100**
United States	2,045	2,592	2,259	2,099	1,975	2,286	2,245	2,052
Canada	0	1,749	3,179	4,842	6,206	6,387	7,063	7,337
Spain	265	404	525	512	552	663	669	691
European Community	**3,600**	**4,390**	**4,290**	**3,760**	**4,400**	**4,680**	**5,010**	**5,040**
France [b]	1,581	1,877	1,842	1,734	1,704	1,831	1,915	1,933
West Germany [c]	1,967	2,335	2,293	1,848	2,445	2,540	2,704	2,701
Other countries								
Israel	92	310	576	712	683	676	792	787

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Communist countries									
USSR and Eastern Europe	**2,750**	**4,300**	**6,570**	**11,300**	**12,000**	**12,000**	**10,600**	**12,000**	**NA**
USSR [d]	1,084	2,368	4,087	7,944	8,347	8,193	6,635	8,064	8,400
Eastern Europe	**1,670**	**1,930**	**2,490**	**3,400**	**3,700**	**3,850**	**3,920**	**3,950**	**NA**
Czechoslovakia [e]	0	6	62	168	184	191	199	203	206
East Germany	1,666	1,926	2,420	3,019	3,229	3,323	3,395	3,422	3,460
Hungary [e]	0	0	0	63	109	136	143	145	146
Poland [e]	0	0	0	119	123	125	110	105	103
Romania [e]	0	0	4	33	52	78	75	73	NA
Other									
China	0	0	7	14	18	21	16	20	20

[a] Data are for "fertilizer years"—in general, the year beginning 1 July. Including unidentified double counting of some products used for technical purposes (estimated at 4 percent to 5 percent of the total).

[b] Beginning 1 May of the stated year.

[c] Excluding technical potash.

[d] Including some potassium for technical purposes.

[e] Imported potash added to domestically produced nitrogen and phosphate to form multinutrient fertilizer.

Table 124

Thousand Metric Tons

Plastics Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	2,850	5,300	9,660	10,206	11,232	12,380	13,866	12,786	13,057
Japan	556	1,609	5,128	4,373	4,978	5,882	6,964	6,422	5,910
European Community	**2,400**	**5,070**	**10,200**	**13,400**	**17,700**	**18,300**	**19,800**	**18,400**	**18,600**
West Germany	982	1,999	4,321	5,046	6,270	6,703	7,255	6,710	7,200
Communist countries									
USSR and Eastern Europe	**560**	**1,370**	**2,860**	**4,920**	**6,100**	**6,500**	**6,560**	**7,100**	**7,650**
USSR [b]	312	803	1,670	2,838	3,309	3,516	3,478	3,636	4,090
Eastern Europe	**248**	**571**	**1,190**	**2,080**	**2,790**	**2,980**	**3,080**	**3,460**	**3,560**
Bulgaria	7	33	89	156	169	178	200	254	284
Czechoslovakia	64	126	245	428	738	810	853	894	913
East Germany	115	219	370	605	734	762	779	861	998
Hungary	10	27	56	124	148	213	294	328	311
Poland	40	91	224	421	463	467	440	549	475
Romania	12	75	206	347	543	552	516	579	580
Other									
China	NA	100	180	330	520	680	790	900	916
Yugoslavia	15	57	97	160	237	293	342	438	483

[a] Dry basis, excluding water, solvents, and other liquid diluents.

[b] Including resins for manmade fibers.

Table 125

Thousand Metric Tons

Natural Rubber Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
India	25.2	49.4	89.9	136.0	151.6	133.0	147.2	155.4	150.7
Indonesia [a]	620.3	716.5	815.2	822.5	835.0	902.5	905.0	1,020.0	855.0
Malaysia [b]	755.7	917.0	1,269.2	1,459.3	1,588.0	1,582.4	1,569.1	1,552.2	1,527.6
Sri Lanka	98.8	118.3	159.2	148.8	146.2	155.7	152.7	133.2	121.0
Thailand [a]	170.8	216.4	318.8	355.0	430.9	467.0	531.2	501.1	495.0

[a] Exports plus estimated consumption.

[b] Including data for Malaya and Singapore, Sarawak, and Sabah.

Table 126 Thousand Metric Tons

Synthetic Rubber Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**1,910**	**2,960**	**4,550**	**4,480**	**5,860**	**5,900**	**6,160**	**5,370**	**5,250**
United States	1,459	1,842	2,232	1,990	2,660	2,662	2,725	2,150	2,150
Canada	162	206	205	173	238	248	282	253	263
Japan	23	161	698	789	971	1,029	1,107	1,094	1,010
European Community	**269**	**728**	**1,340**	**1,410**	**1,820**	**1,790**	**1,870**	**1,700**	**1,650**
France	17	148	316	350	479	492	541	511	487
Italy	67	120	155	200	240	250	270	250	250
Netherlands	12	100	200	216	240	223	238	212	205
United Kingdom	92	175	316	261	329	294	278	212	190
West Germany	81	164	302	316	414	407	418	390	397
Other countries									
Brazil	0	39	75	129	188	206	224	249	223
Communist countries									
USSR and Eastern Europe	**454**	**789**	**1,210**	**1,880**	**2,190**	**2,300**	**2,400**	**2,410**	**2,400**
USSR [a]	347	604	914	1,450	1,700	1,795	1,867	1,880	1,860
Eastern Europe	**107**	**185**	**295**	**27**	**486**	**502**	**533**	**528**	**536**
Bulgaria	0	0	4	19	25	25	30	30	30
Czechoslovakia	0	20	50	57	59	59	59	60	60
East Germany [b]	87	95	118	144	147	145	165	170	175
Poland	20	39	62	108	119	126	130	118	111
Romania	0	31	61	99	136	147	149	150	146

[a] Estimated.

[b] Including Pervinan and Plastikator.

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Table 127

Woven Cotton Fabrics Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States (million lm)	8,564	8,447	5,711	3,744	3,983	3,664	3,527	3,410	3,555
Japan (million sm)	3,221	3,013	2,616	2,124	2,268	2,316	2,340	2,202	2,066
Spain (thousand mt)	93	101	112	131	132	132	NA	NA	NA
Turkey [b] (million lm)	384	781	815	787	662	773	827	698	810
European Community									
France (thousand mt)	384	210	197	174	192	168	169	161	162
Italy (thousand mt)	139	103	129	126	138	137	154	164	178
United Kingdom [b] (million lm)	1,183	928	628	406	370	379	350	314	278
West Germany (thousand mt)	249	206	182	166	169	160	161	163	147
Other countries									
Hong Kong [b] (million sm)	387	543	645	682	677	653	718	660	610
India (million lm)	6,629	7,643	7,849	8,028	6,900	7,320	7,531	8,314	8,100
Pakistan [b] [c] (million sm)	NA	NA	NA	727	408	391	341	342	337
Communist countries									
USSR and Eastern Europe									
USSR [d] (million sm)	4,838	5,499	6,152	6,634	6,811	6,967	6,977	7,068	7,210
Eastern Europe									
Bulgaria [d] (million lm)	218	291	319	372	371	353	349	347	353
Czechoslovakia [d] [e] (million lm)	464	500	501	555	571	593	608	613	636
East Germany (million sm)	254	244	248	246	272	264	263	276	287
Hungary [d] (million sm)	247	323	304	352	366	365	349	332	320
Poland [d] (million lm)	665	811	881	928	948	917	886	884	783
Romania [d] (million sm)	248	319	437	591	703	718	707	748	NA
Other									
China (million lm)	NA	5,727	8,500	9,565	10,151	11,029	12,150	12,800	14,270
Cuba (million sm)	NA	96	76	138	149	154	149	157	156
Yugoslavia [f] (million sm)	257	394	390	376	384	410	418	386	377

[a] Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

[b] Excluding mixed fabrics.

[c] Mill production only. Data include finished fabrics.

[d] Fabrics after undergoing finishing processes.

[e] Including nonwoven fabrics.

[f] Including cellulosic fabrics.

Table 128

Woven Woolen Fabrics Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States (million lm)	262	244	163	71	93	107	107	105	NA
Australia[b] (million sm)	25	30	27	14	6	7	8	9	10
Canada[c] [d] (million sm)	25	30	28	31	28	28	NA	NA	NA
Japan[e] (million sm)	316	341	426	356	347	336	326	294	242
Spain (thousand mt)	17	22	34	30	29	30	NA	NA	NA
Turkey[f] (million lm)	10	24	25	35	23	32	31	25	31
European Community									
Belgium (thousand mt)	29	38	39	30	27	28	31	36	35
France (million lm)	NA	NA	NA	107	101	109	113	119	113
Italy (thousand mt)	47	35[f]	134	159	100	90	105	NA	NA
Netherlands[c] (million sm)	68	67	27	19	13	12	12	NA	NA
United Kingdom[c] [d] (million sm)	307	270	215	151	150	144	138	118	80
West Germany[c] (thousand mt)	51	55	48	38	37	36	36	39	34
Communist countries									
USSR and Eastern Europe									
USSR[c] (million sm)	439	466	643	740	773	781	774	762	768
Eastern Europe									
Bulgaria[c] (million lm)	19	20	27	38	35	33	36	40	38
Czechoslovakia[c] [g] (million lm)	46	44	49	69	65	62	59	59	60
East Germany (million sm)	49	39	37	37	39	38	38	36	39
Hungary[c] (million sm)	32	36	39	39	43	43	41	43	44
Poland[c] (million lm)	79	91	99	124	125	125	122	121	106
Romania[c] (million sm)	32	41	63	96	119	123	125	128	NA
Other									
Yugoslavia (million sm)	46	55	57	66	77	78	76	92	96

[a] Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

[b] Twelve months ending 30 June of the stated year.

[c] Fabrics after undergoing finishing processes.

[d] Factory shipments.

[e] Including finished fabrics.

[f] Excluding mixed fabrics.

[g] Including nonwoven fabric.

Table 129

Woven Rayon and Acetate Fabrics Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States (million lm)	1,312	1,792	1,374	610	600	673	672	653	NA
Australia [b] [c] (million sm)	15	27	29	16	17	15	18	19	17
Japan [c] (million sm)	1,828	1,653	1,545	840	888	852	900	881	775
European Community									
Belgium (thousand mt)	10	17	26	28	32	33	34	34	34
France [d] (thousand mt)	30	32	42	47	49	48	52	51	NA
United Kingdom [d] (million lm)	564	572	444	496	498	458	458	350	279
West Germany (thousand mt)	NA	116	97	67	66	66	65	61	53
Other countries									
India [d] (million lm)	550	870	935	846	1,166	NA	NA	NA	NA
Communist countries									
USSR and Eastern Europe									
USSR (million sm)	628	769	1,112	1,463	NA	NA	NA	NA	NA
Eastern Europe									
Bulgaria [d] [e] [f] (million lm)	11	15	21	31	29	32	31	34	35
Czechoslovakia (million lm)	NA	59	65	62	60	58	51	NA	NA
East Germany (million sm)	68	77	117	121	124	131	132	NA	NA
Hungary [c] [e] (million sm)	28	36	57	55	57	62	57	56	NA
Poland [f] (million lm)	112	126	156	180	177	168	163	163	142
Romania [e] [f] (million sm)	25	32	48	89	120	126	130	130	NA
Other									
Cuba [g] (million sm)	NA	21	2	6	3	3	4	2	NA
Yugoslavia [d] (million sm)	19	24	29	36	42	41	39	36	41

[a] Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

[b] Twelve months ending 30 June of the stated year.

[c] Including finished fabrics.

[d] Including fabrics of noncellulosic fibers.

[e] Including fabrics of natural silk.

[f] Fabrics after undergoing finishing processes.

[g] State production of woven rayon.

Table 130 Thousand Metric Tons

Synthetic Fibers Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	307.2	806.0	1,626.7	2,664.4	3,316.8	3,523.0	3,818.6	3,571.4	3,621.0
Canada	17.0	37.5	73.4	95.8	114.7	118.4	122.0	NA	NA
Japan	118.3	379.6	1,027.9	1,062.0	1,320.0	1,418.4	1,410.0	1,400.4	1,244.4
Spain	3.1	14.8	63.5	120.2	159.6	189.6	189.6	NA	NA
European Community	**204**	**586**	**1,370**	**1,710**	**1,910**	**2,030**	**2,020**	**1,840**	**1,900**
France	45.3	92.8	175.2	208.8	249.6	258.0	235.2	224.4	235.0
Italy	33.7	109.8	241.7	316.8	381.6	405.6	406.8	399.6	475.0
United Kingdom [b]	61.0	148.0	336.9	361.2	358.8	406.8	381.6	288.0	247.2
West Germany	52.3	179.3	497.0	633.6	712.8	746.4	784.8	721.2	735.6
Communist countries									
USSR and Eastern Europe	**35.5**	**136**	**361**	**819**	**1,000**	**1,080**	**1,130**	**1,200**	NA
USSR	15.0	77.0	167.0	365.0	459.0	497.0	529.0	570.0	582.0
Eastern Europe	**20.5**	**58.7**	**194**	**454**	**543**	**579**	**597**	**629**	NA
Bulgaria	0	0	23.1	41.7	44.0	45.5	51.7	54.7	NA
Czechoslovakia	3.4	9.8	31.4	69.4	80.1	92.9	97.6	106.3	165.1
East Germany	7.8	19.0	47.3	111.8	124.0	131.1	135.8	138.7	146.2
Hungary	0.4	2.3	5.6	11.3	16.9	19.3	18.7	20.2	21.6
Poland	8.0	24.3	57.5	124.2	153.4	158.6	158.0	168.0	139.0
Romania	0.9	3.3	29.5	95.6	124.5	131.3	135.2	141.0	NA
Other									
Yugoslavia	NA	1.1	8.7	18.5	25.7	35.8	36.0	49.9	NA

[a] Data are for noncellulosic fibers whether made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

[b] "Delivery weight," approximately 3 percent less than "actual weight," prior to mid-1967. Thereafter, approximately one-half of production is reported as "actual weight."

Table 131 Thousand Kilowatts

Electric Generator Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [b]	12,899	15,451	27,565	30,496	30,222	27,865	29,757	21,122	15,500
Communist countries									
USSR	7,900	14,390	10,578	17,100	17,900	18,200	17,000	16,100	13,900
Bulgaria	29	13	37	32	67	65	83	NA	NA
Czechoslovakia [c]	1,391	888	1,488	1,474	1,863	1,745	1,300	NA	NA
Hungary [c d]	347	416	590	861	125	29	420	NA	NA
Romania	83	295	747	1,479	1,515	1,069	1,016	111	NA
China	NA	800	2,300	NA	3,181	4,838	6,212	4,193	1,395

[a] Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

[b] Shipments of units of 4,000 kilowatts and larger.

[c] Generators for steam and gas turbines only.

[d] Thousand kilovolt amperes.

Table 132 Thousand Kilowatts

Turbine Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [b]	12,899	15,451	27,565	30,496	30,222	27,865	29,757	21,122	15,500
Communist countries									
USSR [c]	9,200	14,625	16,191	18,886	18,900	19,500	20,000	19,600	15,600
Czechoslovakia	1,555	1,994	2,239	1,720	1,745	1,865	1,561	1,120	NA
Poland [d]	186	471	1,135	1,820	1,532	1,579	1,872	1,318	968
Romania [e]	98	27	121	712	734	603	515	497	NA

[a] Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electricity. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

[b] Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced in integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units, but no data are available on this production.

[c] Including a small number of gas turbines.

[d] Steam turbines only.

[e] Steam turbines of more than 500 kilowatts only.

Table 133

Million Square Meters

Housing Construction [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States	145.4	159.5	152.3	161.6	214.2	237.8	233.1	181.5	153.6
USSR	109.6	97.6	106.0	109.9	107.8	106.8	101.5	105.0	106.1

[a] Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

Table 134

Thousand Units

Metalcutting Machine Tool Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [b]	42.91	68.01	49.31	64.32	59.40	58.12	76.07	61.37	72.01
Communist countries									
USSR and Eastern Europe									
USSR	155.92	186.13	202.16	231.35	237.56	237.88	230.00	216.00	205.00
Eastern Europe									
Bulgaria	3.15	8.06	13.94	16.28	13.74	15.32	16.47	18.90	19.60
Czechoslovakia	30.23	24.33	35.19	29.66	37.61	34.25	35.66	36.80	38.28
East Germany	41.90	24.77	22.22	19.72	18.76	19.33	18.42	17.50	16.80
Hungary	9.78	13.85	14.48	12.83	15.27	12.69	12.06	9.80	8.73
Poland	22.47	31.13	29.73	33.19	23.18	30.00	30.86	26.20	22.27
Romania	4.44	7.16	14.14	28.27	30.07	27.55	27.19	29.40	32.05
Other									
China	NA	40.00	140.00	175.00	200.00	180.00	140.00	134.00	103.00

[a] Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

[b] Average value of $1,000 and over for 1960-77 and beginning in 1978, $2,500 and over.

Table 135

Thousand Units

Metalforming Machine Tool Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [b]	19.3	25.3	24.2	26.8	32.5	29.5	31.4	30.3	21.7
USSR	29.9	34.6	41.3	50.5	54.3	55.4	56.3	57.2	58.4

[a] Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

[b] Average value of $1,000 and over for 1960-77 and beginning in 1978, $2,500 and over.

Table 136

Grain Combine Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [b]	30,165	37,606	21,017	31,259	31,943	31,843	32,357	28,544	NA
Communist Countries									
USSR and Eastern Europe	**67,000**	**94,200**	**103,000**	**108,000**	**116,000**	**124,000**	NA	NA	NA
USSR	59,000	85,800	99,200	97,500	105,500	113,000	115,000	117,000	106,000
Eastern Europe	**8,040**	**8,380**	**4,230**	**10,800**	**10,700**	**11,200**	NA	NA	NA
East Germany	1,972	1,585	900	1,500	1,400	3,000	NA	NA	NA
Poland	564	1,781	2,155	3,591	4,003	4,301	4,268	4,300	NA
Romania	5,500	5,012	1,179	5,659	5,365	3,887	3,016	4,890	NA

[a] Tractor-drawn and self-propelled.
[b] Shipments.

Table 137

Computers and Peripheral Equipment Production

	1970	1975	1976	1977	1978	1979	1980
OECD							
United States [a] (million US $)	3,678	7,478	9,900	11,766	14,995	19,376	24,026
Japan (million US $)	862	1,824	2,087	2,679	4,326	5,131	NA
United Kingdom [b] (million US $)	501	1,081	1,068	1,177	1,569	2,231	2,672
West Germany (million US $)	736	1,403	1,577	2,201	2,712	3,236	3,504
Communist countries							
USSR [c] (million rubles)	710	1,921	2,266	2,807	3,400	3,941	4,500
East Germany [d] (million marks)	1,100	2,033	2,173	2,327	2,423	3,030	NA
Hungary [e] (million forints)	128	2,852	3,677	4,177	4,558	5,200	4,546
Poland [f] (million zlotys)	650	6,760	8,779	9,884	10,748	11,668	11,485

[a] Shipments.

[b] Sales.

[c] Including business machines. Starting in 1975, the Soviets changed their prices; therefore, data for 1975-80 are not comparable with data for earlier years.

[d] Including business machines. Values are based on current prices.

[e] Based on current prices.

[f] Based on comparable prices.

Table 138 Thousand Units

Tractor Production [a]

	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
OECD										
United States	178.5	271.8	191.7	232.0	213.2	226.3	197.3	222.4	155.4	151.0
European Community										
France	63.4	90.0	68.8	55.8	64.5	60.4	48.1	46.5	39.1	38.3
Italy	37.6	62.7	84.8	116.4	128.2	140.5	116.4	115.8	128.3	109.0
United Kingdom [b]	181.0	178.5	160.7	141.7	161.5	147.2	111.9	116.0	103.5	NA
West Germany [c]	120.7	105.0	105.4	114.1	125.2	128.9	112.0	115.0	NA	97.0
Communist countries										
USSR and Eastern Europe	**308**	**443**	**569**	**697**	**717**	**733**	**746**	**719**	NA	NA
USSR	238.5	354.5	458.5	550.4	562.2	569.1	576.1	555.0	559.0	NA
Eastern Europe	**70.0**	**88.2**	**111**	**147**	**155**	**164**	**170**	**162**	NA	NA
Bulgaria	0	3.8	3.5	5.1	5.9	6.3	7.7	5.9	6.8	6.6
Czechoslovakia	32.5	32.1	18.5	29.6	31.5	35.0	33.3	35.4	NA	NA
East Germany	9.1	12.9	16.4	4.0	4.0	3.9	3.4	3.5	NA	NA
Hungary	2.6	3.0	1.9	0.6	0.5	0.7	0.4	0.1	0.1	0.2
Poland	8.7	20.6	41.0	57.6	58.8	59.1	59.5	54.2	57.5	50.5
Romania	17.1	15.8	29.3	50.0	53.9	59.5	65.7	62.5	70.9	74.0
Other										
China	10.8	13.7	24.0	NA	NA	99.3	113.5	125.6	98.0	53.0
Yugoslavia	7.3	7.4	12.0	33.2	42.2	41.8	50.1	49.9	50.7	54.7

[a] Excluding garden-type tractors.
[b] Shipments.
[c] Excluding tracklaying tractors.

Table 139 Thousand Units

Passenger Automobile Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	6,675	9,306	6,547	6,713	9,199	9,165	8,419	6,400	6,225
Canada	326	707	923	1,045	1,163	1,144	988	847	803
Japan	165	696	3,179	4,568	5,431	5,976	6,180	7,038	6,978
Spain	NA	160	455	702	1,028	1,007	973	1,026	862
European Community	**4,920**	**7,130**	**9,410**	**8,530**	**10,200**	**10,300**	**10,300**	**9,450**	**8,830**
France	1,136	1,374	2,458	2,951	3,559	3,624	3,732	3,487	2,953
Italy [b]	596	1,104	1,720	1,348	1,452	1,512	1,476	1,445	1,260
United Kingdom	1,353	1,722	1,641	1,268	1,316	1,223	1,070	924	953
West Germany	1,817	2,734	3,528	2,905	3,796	3,900	3,936	3,512	3,590
Other countries									
Brazil	57	114	255	554	463	538	553	1,044	662
Communist countries									
USSR and Eastern Europe	**272**	**411**	**710**	**1,780**	**1,980**	**2,080**	**2,110**	**2,140**	**2,020**
USSR	139	201	344	1,201	1,280	1,312	1,314	1,327	1,324
Eastern Europe	**133**	**210**	**366**	**581**	**697**	**769**	**793**	**815**	**696**
Bulgaria	0	0	8	15	15	15	15	15	15
Czechoslovakia	56	78	143	175	159	176	182	184	181
East Germany	64	103	127	159	167	171	171	177	180
Poland [c]	12	25	64	164	279	326	350	351	240
Romania [d]	1	4	24	68	77	81	75	88	80
Other									
Yugoslavia [e]	4	36	111	183	234	254	279	255	242

[a] Factory sales. Starting in 1980 excluding passenger vans.
[b] Excluding production for the armed forces.
[c] Excluding special passenger cars.
[d] Including jeeps.
[e] Including vehicles assembled from imported parts.

Table 140 Thousand Units

Truck and Bus Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD [b]									
United States [c]	1,194	1,752	1,692	2,272	3,442	3,706	3.037	1,667	1,700
Canada	72	145	236	379	613	611	644	528	529
Japan	595	1,222	2,126	2,376	3,072	3,264	3,468	4,006	4,206
Spain	17	74	77	113	134	150	166	146	127
European Community	**982**	**1,020**	**1,210**	**1,120**	**1,320**	**1,300**	**1,370**	**1,460**	**1,200**
France	234	242	292	336	456	456	468	505	473
Italy [d]	49	72	134	109	144	146	151	167	171
United Kingdom	458	455	458	380	398	384	408	389	230
West Germany	238	243	318	288	312	300	324	380	312
Other countries									
Brazil	76	72	161	395	442	526	575	101	97
Communist countries									
USSR and Eastern Europe	**452**	**505**	**728**	**980**	**1,030**	**1,060**	**1,070**	NA	NA
USSR	385	415	572	763	808	839	859	872	874
Eastern Europe	**67**	**90**	**156**	**217**	**218**	**216**	**214**	NA	NA
Bulgaria	0	0	3	6	7	7	8	NA	NA
Czechoslovakia [e]	18	18	27	36	39	40	43	46	46
East Germany	13	16	27	38	40	40	40	40	NA
Hungary [e]	4	6	10	13	13	14	14	13	11
Poland	23	34	53	85	80	77	71	67	53
Romania	9	16	37	39	39	38	38	36	NA
Other									
China [f]	15	30	70	133	125	149	186	222	176
North Korea	3	4	8	19	22	23	24	NA	NA
Yugoslavia	6	12	17	19	21	20	23	NA	NA

[a] Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

[b] Data include complete units exported for assembly.

[c] Factory sales, including passenger vans starting in 1980.

[d] Excluding production for the armed forces.

[e] Excluding wheeled tractors.

[f] Excluding buses, jeeps, and three-wheel trucks.

Table 141 Thousand Units

Railroad Freight Car Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	57.31	77.83	66.18	72.39	51.73	67.44	90.02	85.92	44.90
European Community									
France [b]	7.93	15.04	14.23	9.62	6.37	3.75	6.06	5.60	6.55
West Germany	6.63	11.31	9.60	6.96	6.81	5.89	6.01	10.60	NA
Other countries									
India [c]	11.90	33.50	11.98	12.24	12.67	11.00	11.29	11.40	16.56
Communist countries									
USSR and Eastern Europe	**64.7**	**72.9**	**97.5**	**117**	**118**	**115**	**108**	NA	NA
USSR	36.40	39.60	58.30	69.90	71.20	68.30	64.60	63.00	61.00
Eastern Europe	**28.3**	**33.3**	**39.2**	**47.4**	**47.3**	**46.2**	**43.8**	NA	NA
Bulgaria	2.01	1.58	1.99	2.51	2.75	2.56	3.00	NA	NA
Czechoslovakia	5.15	4.30	4.35	5.03	5.53	6.20	6.84	NA	NA
East Germany	2.14	2.17	5.71	5.05	5.59	5.80	5.03	NA	NA
Hungary	0.45	0.55	0.50	0.48	0.16	0.06	0.01	0.03	NA
Poland	13.90	16.30	15.46	18.74	18.60	17.87	15.91	15.20	9.10
Romania	4.62	8.58	11.16	15.59	14.65	13.75	13.20	13.24	NA
Other									
China	23.00	6.60	8.00	14.50	6.40	16.95	16.04	10.57	8.78
North Korea	0.60	1.60	3.50	6.90	8.90	9.20	9.50	NA	NA
Yugoslavia	3.42	4.85	2.61	3.33	1.23	1.45	1.72	2.13	2.69

[a] Units of two, four, or more axles. Most production now consists of four-axle units.

[b] Shipments.

[c] Four wheelers only.

Table 142

Thousand Units

Television Receiver Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	5,828	11,028	9,483	10,637	15,432	17,406	16,616	18,532	18,480
Japan	3,578	4,190	13,782	10,625	14,342	13,116	13,577	15,252	16,000
European Community	**6,140** [a]	**7,210** [a]	**9,490**	**9,580**	**11,400**	**12,000**	**11,500**	**11,400**	NA
France	655	1,250	1,511	1,606	1,911	2,101	1,854	1,928	1,960
Italy	728	1,042	2,030	1,595	2,211	2,172	2,031	1,984	1,566
United Kingdom	2,141	1,591	2,214	2,124	2,175	2,410	2,470	2,060	NA
West Germany	2,164	2,776	2,936	3,356	4,082	4,290	4,100	4,425	NA
Communist countries									
USSR and Eastern Europe	**2,720**	**5,360**	**8,900**	**9,920**	**9,940**	**10,100**	**10,300**	**10,400**	NA
USSR	1,726	3,655	6,682	6,960	7,073	7,165	7,271	7,528	8,206
Eastern Europe	**989**	**1,700**	**2,220**	**2,960**	**2,870**	**2,960**	**3,030**	**2,920**	NA
Bulgaria	NEGL	74	193	124	65	70	82	91	112
Czechoslovakia	263	274	383	445	461	482	450	389	NA
East Germany	416	537	380	509	525	487	584	578	NA
Hungary	139	267	364	400	423	435	421	417	424
Poland	171	452	616	971	920	972	915	900	760
Romania	NEGL	101	280	512	476	516	574	541	500
Other									
China	NA	5	15	205	245	517	1,329	2,492	5,394
Yugoslavia	14	254	320	425	427	449	599	543	510

[a] Excluding data for Greece.

Table 143

Thousand Units

Radio Receiver Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	24,463	41,726	44,427	34,516	52,926	48,036	40,029	28,104	31,476
Canada [c]	696	931	2,004	1,009	1,152	1,049	NA	NA	NA
Japan	12,851	22,937	32,618	14,283	17,308	16,278	13,910	15,343	15,196
European Community	**8,560**	**11,100**	**16,400**	**10,900**	**14,000**	**11,900**	**NA**	**NA**	**NA**
Belgium/Luxembourg/Netherlands	1,103	1,240	1,943	1,796	1,894	1,820	NA	NA	NA
France	2,214	2,298	2,921	3,051	3,570	3,019	2,770	2,442	2,135
Italy	935	1,195	3,300	791	1,961	1,616	1,735	1,690	NA
United Kingdom	2,504	1,912	1,313	684	892	810	NA	NA	NA
West Germany	4,313	4,071	6,729	4,415	5,589	4,468	4,441	NA	NA
Communist countries									
USSR and Eastern Europe	**6,400**	**7,570**	**10,800**	**12,500**	**13,400**	**13,600**	**13,400**	**NA**	**NA**
USSR	4,165	5,160	7,815	8,376	8,652	8,728	8,452	8,478	8,704
Eastern Europe	**2,240**	**2,410**	**3,020**	**4,100**	**4,780**	**4,930**	**4,960**	**NA**	**NA**
Bulgaria	157	130	145	228	147	86	53	51	60
Czechoslovakia	270	298	416	183	235	241	270	NA	NA
East Germany	810	808	807	1,071	1,126	1,103	964	915	NA
Hungary	212	228	206	255	259	264	257	271	180
Poland	627	624	987	1,651	2,291	2,569	2,661	2,695	2,798
Romania	167	323	455	712	730	664	757	863	700
Other									
China	1,500	1,500	4,600	NA	NA	11,700	13,800	30,040	40,570
Yugoslavia	244	504	277	140	187	172	135	126	160

[a] Civilian radio receivers and radio-phonograph combinations.

[b] The data presented reflect the total market and include, prior to 1975, factory sales by manufacturers plus products imported directly for resale. Beginning 1975, data include products produced, imports by manufacturers for sale under their brand names, and products imported directly for resale.

[c] Receiving sets for home use only.

Table 144 **Thousand Units**

Rubber Tire Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	123,059	172,532	193,971	191,999	237,049	227,818	212,227	163,458	185,875
Japan [b]	10,100	28,432	63,828	74,580	82,776	90,900	101,020	113,004	116,040
European Community									
France [c]	16,518	23,374	39,415	39,365	46,590	46,405	50,820	50,544	42,784
Italy [b]	NA	NA	22,383	25,716	53,292	52,944	53,640	52,320	50,762
United Kingdom [b]	15,904	23,394	30,540	26,008	28,911	26,665	26,895	26,346	23,724
West Germany [b]	14,745	25,566	37,548	32,016	38,232	37,524	38,568	37,848	35,412
Communist countries									
USSR and Eastern Europe	**25,300**	**38,700**	**52,300**	**76,900**	**84,900**	**87,200**	**89,200**	**90,700**	NA
USSR	17,225	26,434	34,620	51,480	57,400	59,018	59,981	60,100	60,500
Eastern Europe	**8,070**	**12,300**	**17,700**	**25,400**	**27,500**	**28,200**	**29,200**	**30,600**	NA
Bulgaria	204	474	919	1,736	1,830	1,734	1,793	2,117	2,230
Czechoslovakia	2,387	2,995	3,933	5,945	6,341	6,439	6,581	6,714	NA
East Germany	2,714	3,750	4,692	6,272	6,652	6,728	6,890	7,067	7,026
Hungary	551	921	1,090	1,013	814	773	750	870	870
Poland	1,862	2,818	4,516	6,644	7,457	7,852	8,500	8,743	NA
Romania	351	1,329	2,508	3,786	4,372	4,690	4,691	5,046	5,250
Other									
China	NA	2,300	4,200	7,000	7,700	9,400	12,000	11,000	7,300
Cuba	325	197	202	368	172	295	302	387	326
Yugoslavia	391	955	2,763	5,110	8,126	8,862	9,161	9,584	10,512

[a] Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.
[b] Excluding motorcycle tires.
[c] Excluding motorcycle, tractor, and agricultural tires.

Table 145

Million Metric Tons

Cement Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**186**	**250**	**318**	**336**	**364**	**387**	**392**	**385**	**369**
United States	56.06	65.08	67.43	61.82	71.35	76.19	76.65	69.85	66.08
Canada	5.34	7.66	7.28	9.74	10.04	10.39	11.00	10.34	9.49
Japan	22.54	32.49	57.19	65.52	73.14	84.89	87.80	87.96	84.83
Spain	5.23	9.88	16.70	24.10	28.00	29.30	28.06	28.01	28.75
Turkey	2.04	3.24	6.37	10.86	13.85	15.34	13.79	12.88	9.50
European Community	**79.0**	**110**	**137**	**137**	**141**	**144**	**148**	**148**	**143**
Belgium	4.39	5.90	6.73	6.89	7.76	7.57	7.70	7.49	6.70
France	14.35	22.42	29.01	29.71	28.96	29.06	28.84	29.10	28.22
Italy	16.01	20.70	33.08	34.24	38.21	38.23	39.72	41.86	42.98
United Kingdom	13.50	16.98	17.17	16.90	15.46	15.91	16.14	14.81	12.83
West Germany	24.90	34.13	38.32	33.50	32.24	33.06	35.06	34.26	31.55
Other countries									
Brazil	4.74	5.87	9.00	16.74	21.12	23.24	24.88	27.19	25.97
India	7.84	10.58	13.96	16.24	19.18	19.63	18.26	17.70	20.77
Mexico	3.09	4.30	7.27	11.70	13.09	14.11	15.14	16.26	17.70
Communist countries									
USSR and Eastern Europe	**68.4**	**104**	**137**	**180**	**193**	**195**	**190**	**191**	**188**
USSR	45.52	72.39	95.25	122.06	127.06	126.96	123.02	125.05	127.00
Eastern Europe	**22.9**	**31.8**	**42.1**	**58.1**	**65.6**	**68.2**	**66.6**	**66.1**	**61.1**
Bulgaria	1.59	2.68	3.67	4.36	4.66	5.15	5.40	5.36	5.45
Czechoslovakia	5.05	5.71	7.40	9.30	9.75	10.20	10.26	10.55	10.65
East Germany	5.03	6.09	7.98	10.66	12.10	12.52	12.27	12.44	12.20
Hungary	1.57	2.38	2.77	3.76	4.62	4.76	4.85	4.66	4.64
Poland	6.60	9.57	12.18	18.54	21.30	21.65	19.18	18.44	14.23
Romania	3.05	5.41	8.13	11.52	13.12	13.90	14.66	14.61	13.90
Other									
China	12.00	16.28	26.60	47.10	55.65	65.24	73.90	79.86	84.00
Modern Plants	9.00	10.90	15.10	19.40	20.00	23.42	24.73	28.75	30.00
Small Plants	3.00	5.38	11.50	27.70	35.65	41.82	49.17	51.11	54.00
Cuba	0.80	0.80	0.74	2.08	2.65	2.71	2.61	2.80	3.30
North Korea	2.30	2.40	4.00	5.70	6.00	6.60	8.00	8.20	7.80
Yugoslavia	2.40	3.10	4.40	7.07	8.01	8.70	9.08	9.32	9.78

[a] All types of hydraulic cements used in construction.

Table 146

Thousand Cubic Meters

Lumber Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**176,000**	**199,000**	**214,000**	**198,000**	**235,000**	**238,000**	**241,343**	NA	NA
United States	77,697	84,236	81,524	75,717	89,448	88,859	87,226	74,642	70,114
Canada	18,988	25,541	26,734	27,287	41,696	44,785	44,815	44,400	39,657
Japan	26,734	33,291	42,127	37,362	38,273	38,867	39,586	36,920	32,497
Australia	3,299	3,347	3,235	3,322	3,276	2,975	2,919	NA	NA
Austria	5,004	4,534	5,426	4,940	6,246	5,975	6,549	NA	NA
Finland	8,289	6,919	7,310	5,020	6,800	7,380	9,035	NA	NA
Spain	1,077	1,918	2,250	2,224	2,188	2,405	2,961	NA	NA
Sweden	8,620	10,266	12,246	10,890	11,150	10,877	11,197	NA	NA
Turkey	736	1,355	2,307	2,460	3,142	3,150	3,150	NA	NA
European Community	**20,300**	**21,900**	**24,400**	**22,000**	**25,800**	**24,800**	**25,000**	NA	NA
France	7,454	8,049	9,263	8,271	9,327	9,025	9,210	NA	NA
Italy	1,710	1,945	2,292	1,639	2,209	1,983	2,276	NA	NA
West Germany	7,739	8,891	9,383	9,028	10,348	10,011	10,253	NA	NA
Other countries									
Brazil	5,700	5,661	8,035	10,128	12,643	13,337	14,070	NA	NA
India	1,400	2,100	2,600	3,250	3,550	4,000	4,550	NA	NA
Malaysia	1,395	1,859	3,110	3,817	5,589	5,147	5,147	NA	NA
Communist countries									
USSR and Eastern Europe	**124,000**	**129,000**	**136,000**	**137,000**	**130,000**	**127,000**	**120,000**	NA	NA
USSR	105,600	111,000	116,400	116,200	109,200	106,000	99,600	98,200	NA
Eastern Europe	**18,100**	**18,100**	**19,100**	**20,600**	**20,400**	**20,700**	**20,400**	NA	NA
Bulgaria	1,136	1,190	1,323	1,432	1,590	1,499	1,386	1,148	NA
Czechoslovakia	3,971	3,625	3,639	4,242	4,399	4,562	4,627	4,776	NA
East Germany	2,826	1,749	1,819	2,051	2,058	2,069	2,085	NA	NA
Hungary	383	457	555	693	687	757	735	781	NA
Poland	5,882	6,051	6,471	7,541	7,426	7,334	6,821	6,888	5,954
Romania	3,928	5,004	5,305	4,660	4,262	4,465	4,660	4,593	NA
Other									
China	NA	40,000	38,000	46,000	49,670	51,620	54,390	53,590	49,420
Cuba	NA	74	28	56	68	73	75	81	85
Yugoslavia	2,295	2,677	3,044	3,481	3,962	4,057	4,272	4,206	4,212

[a] Excluding railroad crossties (sleepers).

Table 147 Thousand Metric Tons

Newsprint Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**12,700**	**15,100**	**18,800**	**17,400**	**18,900**	**20,300**	**21,200**	**21,800**	**22,800**
United States	1,818	1,978	3,035	3,153	3,192	3,418	3,685	4,239	4,753
Australia	90	95	173	196	208	208	208	222	215
Canada	6,068	7,003	7,996	7,056	8,160	8,808	8,710	8,626	8,946
Finland	781	1,213	1,305	1,028	1,068	1,279	1,391	1,345	1,556
New Zealand	91	199	214	219	276	277	260	NA	NA
Norway	226	308	554	436	437	464	566	588	696
Sweden	582	679	1,030	1,188	1,111	1,258	1,484	1,534	1,604
European Community	**2,036**	**2,090**	**2,170**	**1,510**	**1,540**	**1,610**	**1,740**	**1,780**	**1,580**
France	551	450	430	256	265	288	281	260	263
Italy	259	379	311	240	234	263	268	271	238
United Kingdom	753	780	757	316	288	319	364	364	113
West Germany	230	216	408	482	539	522	598	593	670
Other countries									
South Africa	0	54	160	200	244	212	225	NA	NA
South Korea	27	45	102	107	148	163	174	215	236
Communist countries									
USSR and Eastern Europe	**678**	**1,050**	**1,420**	**1,660**	**1,740**	**1,800**	**1,790**	NA	NA
USSR	434	744	1,101	1,361	1,388	1,432	1,420	NA	NA
Eastern Europe	**244**	**303**	**319**	**300**	**347**	**368**	**370**	NA	NA
Czechoslovakia	34	78	81	77	79	73	74	70	77
East Germany	89	94	97	96	81	103	103	NA	NA
Poland	77	79	88	83	89	89	91	91	82
Romania	44	52	53	44	98	103	102	103	NA
Other									
Cuba [a]	NA	NA	19	32	31	36	35	37	40
Yugoslavia	28	46	75	85	96	96	84	45	52

[a] Printing and writing paper.

Table 148 Thousand Cubic Meters

Plywood Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**12,400**	**19,800**	**26,200**	**25,400**	**30,700**	**30,500**	**31,900**	**29,500**	NA
United States	7,910	12,811	14,078	14,579	17,981	17,056	18,200	16,000	NA
Canada	1,000	1,702	1,851	2,051	2,660	2,807	2,510	2,338	2,075
Finland	414	545	706	415	464	549	639	639	NA
Japan	1,286	2,627	6,922	6,168	7,476	8,016	8,400	8,400	NA
Spain	75	131	225	266	236	178	134	162	NA
European Community	**1,350**	**1,670**	**1,900**	**1,570**	**1,600**	**1,520**	**1,640**	**1,600**	NA
France	390	477	643	551	568	509	559	546	531
Italy	150	300	420	400	380	350	410	400	NA
West Germany	660	670	569	400	443	445	444	432	351
Other countries									
Brazil	98	220	342	660	698	722	762	762	NA
Malaysia	2	28	197	404	565	465	490	490	NA
Philippines	287	257	653	423	489	490	515	553	NA
Singapore	NA	32	215	334	348	482	482	482	NA
South Korea	29	215	847	1,436	2,289	2,560	2,338	1,575	NA
Communist countries									
USSR and Eastern Europe	**1,690**	**2,260**	**2,600**	**2,850**	**2,870**	**2,820**	**2,670**	NA	NA
USSR	1,354	1,756	2,045	2,196	2,178	2,122	1,988	2,022	NA
Eastern Europe	**333**	**506**	**558**	**658**	**694**	**701**	**684**	NA	NA
Bulgaria	64	81	71	65	64	62	58	57	NA
Czechoslovakia	46	55	57	113	120	128	135	NA	NA
East Germany	60	67	73	78	90	95	82	NA	NA
Hungary	22	20	12	5	4	4	3	NA	NA
Poland	73	83	99	128	132	131	128	131	116
Romania	68	200	246	269	284	281	278	273	NA
Other									
Yugoslavia	61	111	103	126	133	135	140	117	102

Agriculture

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Table 149 Million Metric Tons

Total Grain Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	181.26	183.46	186.72	249.17	265.90	276.51	302.81	269.72	333.37
Australia	10.81	9.68	12.86	17.73	14.38	25.22	22.83	16.46	23.78
Canada	25.39	30.56	26.47	35.23	40.57	39.79	34.13	39.11	48.65
Japan	20.18	18.24	17.00	17.61	17.48	17.07	15.92	13.17	13.81
Spain	7.27	8.86	10.30	14.20	13.94	16.33	13.86	18.32	11.54
Turkey	12.12	12.63	15.66	21.91	24.06	24.11	25.56	25.40	21.16
European Community	**71.1**	**84.1**	**90.3**	**100**	**106**	**120**	**118**	**124**	**123**
France	23.02	29.05	31.29	35.12	38.76	44.55	43.40	47.31	NA
Italy	11.98	14.52	16.15	17.15	14.60	17.91	17.75	18.20	NA
United Kingdom	9.46	13.62	13.01	13.82	16.63	17.20	17.36	19.07	NA
West Germany	15.06	13.47	16.07	20.08	20.65	23.00	22.09	22.41	NA
Other countries									
Argentina	12.57	16.54	19.66	22.79	21.74	26.55	24.38	18.38	26.72
Bangladesh	14.57	15.82	16.86	19.28	19.73	19.95	18.91	22.20	21.13
Brazil	14.61	19.66	22.78	26.19	30.89	23.99	27.13	33.10	35.26
India	78.97	73.06	101.80	117.35	128.40	132.36	118.16	135.38	137.28
Indonesia	15.35	15.42	22.15	25.24	26.49	29.81	29.89	32.28	37.42
Mexico	7.36	11.32	14.99	16.62	17.95	18.88	15.31	19.44	20.81
Pakistan	6.24	4.46	11.75	12.82	14.80	14.45	16.03	16.97	17.74
Thailand	8.38	12.26	15.47	18.41	15.73	20.54	19.32	21.50	23.88
Communist countries									
USSR and Eastern Europe	**173**	**174**	**242**	**213**	**273**	**320**	**255**	**270**	NA
USSR [b]	125.56	121.06	186.80	140.12	195.73	237.39	179.33	189.09	NA
Eastern Europe [c]	**47.2**	**53.3**	**55.1**	**73.1**	**77.1**	**82.3**	**75.3**	**80.6**	**78.1**
Bulgaria [d]	4.97	5.35	6.91	7.87	7.75	7.70	8.52	7.81	8.70
Czechoslovakia	4.84	5.23	7.20	9.28	10.31	10.95	9.18	10.70	9.40
East Germany	6.38	6.73	6.46	8.91	8.70	9.82	8.86	9.63	8.86
Hungary	6.90	7.41	7.62	12.19	12.28	13.34	12.04	13.96	12.63
Poland	14.30	16.01	16.25	19.56	19.42	21.54	17.34	18.34	19.77
Romania	9.83	12.60	10.63	15.27	18.61	18.97	19.34	20.20	18.74

Table 149 (continued)

Million Metric Tons

Total Grain Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Other									
China [e]	140.30	194.52	239.96	284.52	282.73	304.75	332.12	320.52	325.02
Cuba [f]	0.41	0.08	0.31	0.36	0.35	0.36	0.32	0.37	NA
North Korea	2.66	3.15	3.50	5.40	6.00	6.00	6.30	6.30	6.30
Vietnam [g]	NA	NA	NA	11.50	12.90	12.90	13.70	14.40	15.10
Yugoslavia	10.93	10.58	11.61	15.01	16.56	13.91	15.63	15.61	15.15

[a] Data are for the following products, where they are produced: barley, corn, oats, rice, rye, sorghum, and wheat.

[b] Including miscellaneous grains and pulses. Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

[c] Including miscellaneous grains.

[d] Including pulses.

[e] Including soybeans, broad beans, and field peas. Tubers are included on a grain equivalent basis of 5 metric tons of tubers to 1 metric ton of grain.

[f] Data reflect only rice production and government collections of corn; total production of grains is somewhat higher.

[g] Including corn, manioc, sweet potatoes, and soybeans on a paddy-equivalent basis (1 ton paddy=0.63 tons of grain or rice).

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Table 150

Million Metric Tons

Wheat Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	36.87	35.80	36.78	57.89	55.67	48.32	58.08	64.49	76.02
Australia	7.45	7.07	7.89	11.98	9.37	18.09	15.70	10.80	16.40
Canada	14.11	17.67	9.02	17.08	19.86	21.15	17.18	19.13	24.52
Spain	3.52	4.72	4.13	4.30	4.06	4.81	4.08	5.90	3.36
Turkey	7.00	7.43	10.08	14.83	16.72	16.76	17.62	17.46	13.20
European Community	**29.5**	**37.3**	**36.7**	**40.2**	**40.3**	**50.4**	**48.9**	**54.8**	**54.3**
France	11.01	14.76	12.92	15.01	17.35	20.97	19.39	23.67	NA
Italy	6.79	9.78	9.69	9.61	6.35	9.33	9.14	9.29	NA
United Kingdom	3.04	4.17	4.24	4.49	5.27	6.61	7.17	8.15	NA
West Germany	4.82	4.22	5.66	7.01	7.24	8.12	8.06	8.16	NA
Other countries									
Argentina	4.20	6.08	4.92	8.57	5.30	8.10	8.10	7.83	7.80
India	10.32	12.26	20.09	24.10	29.01	31.75	35.51	31.56	36.46
Iran	2.60	2.90	4.26	5.57	5.52	5.70	5.80	6.00	5.30
Pakistan	3.91	4.59	7.29	7.67	9.14	8.37	9.95	10.80	11.47
Communist countries									
USSR and Eastern Europe	**77.3**	**78.2**	**119**	**90.3**	**121**	**151**	**113**	**127**	NA
USSR [a]	64.30	59.69	99.73	66.22	92.20	120.82	90.30	98.18	NA
Eastern Europe	**13.0**	**18.6**	**19.1**	**24.1**	**28.6**	**30.2**	**22.8**	**29.1**	**26.1**
Bulgaria	2.38	2.92	3.03	3.00	3.38	3.47	3.36	3.85	4.43
Czechoslovakia	1.50	1.99	3.17	4.20	5.21	5.60	3.74	5.39	4.33
East Germany	1.46	1.80	2.13	2.74	2.91	3.15	3.12	3.10	3.05
Hungary	1.77	2.45	2.72	4.01	5.32	5.68	3.71	6.07	4.60
Poland	2.30	3.34	4.61	5.21	5.31	6.03	4.19	4.18	4.23
Romania	3.55	6.06	3.40	4.91	6.51	6.30	4.72	6.47	5.47
Other									
China	22.17	25.22	29.18	45.31	41.08	53.84	62.73	54.16	58.49
Yugoslavia	3.57	3.46	3.79	4.40	5.60	5.36	4.51	5.09	4.27

[a] Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

Table 151

Million Metric Tons

Coarse Grains Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	141.91	144.20	146.14	185.46	205.73	222.14	238.75	198.65	248.94
Canada	11.28	12.89	17.45	18.15	20.70	18.65	16.95	19.98	24.13
Spain	3.39	3.80	5.79	9.52	9.50	11.12	9.36	11.99	7.74
Turkey	4.95	5.05	5.34	6.84	7.08	7.04	7.58	7.58	7.64
European Community	**40.9**	**46.1**	**52.6**	**58.8**	**64.7**	**68.2**	**67.5**	**68.4**	**67.5**
Denmark [b]	3.94	5.17	5.58	5.69	6.74	6.82	7.08	6.46	NA
France	11.90	14.20	18.28	20.07	21.39	23.55	23.98	23.61	NA
Italy	4.57	4.23	5.64	6.53	7.56	7.60	7.60	8.00	NA
United Kingdom	6.42	9.44	8.77	9.33	11.36	10.59	10.19	10.92	NA
West Germany	10.25	9.25	10.41	13.07	13.42	14.88	14.03	14.25	NA
Other countries									
Argentina	8.22	10.30	14.34	13.87	16.12	18.14	15.96	10.29	18.60
Brazil	9.10	11.44	14.29	16.62	19.83	14.00	16.62	20.74	23.76
India	16.64	14.87	18.31	19.90	20.38	19.95	19.04	20.82	19.74
Mexico	5.84	8.96	11.91	13.10	14.93	15.69	12.47	16.34	17.20
South Africa	5.76	5.06	6.67	9.70	10.16	10.75	8.83	10.98	8.82
Communist countries									
USSR and Eastern Europe	**95.2**	**95.4**	**122**	**121**	**150**	**166**	**139**	**140**	NA
USSR [c] [d]	61.08	60.79	85.78	71.88	101.28	114.46	86.58	88.30	NA
Eastern Europe	**34.1**	**34.7**	**35.8**	**48.8**	**48.3**	**52.0**	**52.3**	**51.3**	**52.6**
Bulgaria	2.56	2.39	3.81	4.81	4.30	4.17	5.09	3.89	3.86
Czechoslovakia	3.34	3.24	4.03	5.08	5.10	5.35	5.44	5.31	5.12
East Germany [c]	4.92	4.93	4.32	6.17	5.78	6.67	5.74	6.53	6.43
Hungary	5.08	4.94	4.85	8.11	6.93	7.64	8.29	7.70	8.00
Poland [c]	12.00	12.67	11.64	14.35	14.11	15.51	13.15	14.16	16.11
Romania	6.22	6.49	7.17	10.28	12.05	12.62	14.56	13.69	13.04
Other									
Cuba [e]	0.10	0.03	0.02	0.02	0.01	0.01	0.01	0.01	NA
Yugoslavia	7.34	7.10	7.79	10.57	10.92	8.51	11.08	10.52	10.89

[a] Data are for the following products, where they are produced: barley, corn, oats, rye, and sorghum.

[b] Excluding corn.

[c] Unless otherwise indicated, data include miscellaneous grains.

[d] Measured in bunker weight, that is, gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

[e] Corn only. Data reflect govenment collections only. Total production is somewhat higher.

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Table 152 Thousand Metric Tons

Rice Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	2,477	3,460	3,801	5,826	4,501	6,040	5,985	6,580	8,408
Japan	16,072	15,515	15,861	17,101	17,006	16,349	14,948	12,189	12,824
European Community	**779**	**712**	**985**	**1,150**	**811**	**1,110**	**1,130**	**1,020**	**933**
Italy	622	509	819	1,010	693	979	1,014	910	NA
Other countries									
Bangladesh	14,522	15,751	16,733	19,143	19,451	19,582	18,403	20,990	20,218
Brazil	5,392	5,802	5,394	7,782	8,994	7,296	7,589	9,746	9,300
Burma	6,850	8,258	8,162	9,208	9,462	10,500	10,448	13,317	13,650
India	52,011	45,982	63,401	73,352	79,006	80,660	63,611	83,000	81,081
Indonesia	14,953	15,063	19,324	22,340	23,347	25,781	26,283	28,680	32,776
South Korea	4,151	4,770	5,471	6,485	8,495	8,352	7,881	6,000	7,032
Thailand	9,508	11,164	13,570	15,300	13,921	17,530	15,758	18,000	19,500
Communist countries									
USSR and Eastern Europe	**313**	**683**	**1,460**	**2,210**	**2,370**	**2,250**	**2,570**	**2,920**	NA
USSR	187	583	1,279	2,009	2,220	2,110	2,394	2,791	2,800
Eastern Europe	**126**	**100**	**176**	**205**	**150**	**142**	**174**	**130**	NA
Bulgaria	32	33	66	68	68	61	73	67	NA
Hungary	45	21	45	69	35	23	41	24	37
Romania	49	46	65	68	47	58	60	39	65
Other									
China	59,730	87,720	109,990	125,560	128,560	136,930	143,750	139,255	143,205
Cuba [b]	306	50	291	338	334	344	312	352	NA
Vietnam [c]	4,212	4,600	4,500	4,500	10,900	10,000	10,700	11,100	12,000
Yugoslavia	22	25	32	37	36	34	34	40	40

[a] Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated, combined with crops harvested in the first half of the following year.

[b] Milled rice. Data reflect government collection only.

[c] Prior to 1977, data for North Vietnam.

Table 153 Million Metric Tons

Potato Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**97.2**	**82.4**	**84.6**	**68.0**	**77.5**	**76.5**	**71.2**	**69.2**	**67.4**
United States	11.68	13.14	14.78	14.62	16.08	16.62	15.54	13.65	13.90
Austria	3.81	2.54	2.70	1.58	1.35	1.40	1.49	1.26	1.31
Canada	2.06	2.11	2.30	2.11	2.49	2.50	2.76	2.52	2.60
Japan	3.59	4.06	3.62	3.26	3.52	3.32	3.38	3.42	3.32
Spain	4.62	4.00	5.30	5.34	5.88	5.36	5.64	5.74	5.57
European Community	**61.8**	**48.1**	**47.2**	**33.8**	**39.7**	**38.8**	**34.3**	**34.0**	**32.3**
France	15.89	11.07	8.90	6.86	7.80	7.47	5.81	6.78	5.27
Italy	3.82	3.55	3.67	2.90	3.08	2.80	2.96	2.94	2.82
Netherlands	3.97	3.24	5.65	4.74	5.75	6.23	5.94	6.08	5.86
United Kingdom	7.27	7.58	7.82	4.55	6.62	7.33	6.48	7.08	7.00
West Germany	24.54	18.09	16.25	10.85	11.37	10.51	8.72	6.80	7.00
Other countries									
Argentina	2.07	2.49	2.34	1.35	1.77	1.59	1.69	1.57	2.25
India	2.75	3.60	3.91	6.22	7.17	8.14	10.12	9.59	10.60
Communist countries									
USSR and Eastern Europe	**149**	**152**	**169**	**151**	**145**	**154**	**163**	**111**	**135**
USSR	84.37	88.68	96.78	88.70	83.65	86.12	90.96	67.02	72.00
Eastern Europe	**64.3**	**63.4**	**72.4**	**62.0**	**61.3**	**67.8**	**71.6**	**43.8**	**62.6**
Bulgaria	0.48	0.28	0.37	0.32	0.38	0.39	0.42	0.30	0.41
Czechoslovakia	5.09	3.68	4.79	3.56	3.76	4.00	3.73	2.71	3.67
East Germany	14.82	12.86	13.05	7.67	10.31	10.78	12.24	9.21	10.38
Hungary	3.00	1.76	1.81	1.27	1.33	1.52	1.09	0.94	1.13
Poland	37.90	42.66	50.30	46.43	41.32	46.65	49.57	26.39	42.56
Romania	3.01	2.19	2.06	2.72	4.21	4.47	4.56	4.14	4.50
Other									
China	NA	100.00	NA	NA	150.00	158.70	142.30	139.22	124.98
Cuba [a]	0.02	0.08	0.08	0.12	0.14	0.17	0.17	0.21	NA
Yugoslavia	3.27	2.38	2.96	2.39	3.03	2.50	2.72	2.44	2.50

[a] Data reflect government collections only; the total production is considerably higher.

Table 154

Thousand Metric Tons

Sugar Production[a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States[b]	3,637	4,871	5,327	5,955[c]	5,764[c]	5,133[c]	5,435[c]	5,313[c]	5,634[c]
Australia[d]	1,441	2,073	2,507	2,930	3,452	2,978	2,961	3,415	3,509
European Community	**7,630**	**7,840**	**8,770**	**10,400**	**12,200**	**12,600**	**13,200**	**13,000**	**15,100**
France	2,267	2,483	2,580	2,981	3,905	3,719	4,326	4,253	5,250
Italy	998	1,242	1,199	1,429	1,426	1,710	1,707	1,932	2,170
United Kingdom	860	967	925	724	894	979	1,255	1,210	1,200
West Germany	1,877	1,634	2,100	2,571	3,200	3,119	3,088	2,994	3,350
Other countries[d]									
Brazil	3,319	4,614	5,019	6,299	8,759	7,913	7,362	8,270	8,726
India	2,814	3,493	4,634	5,048	5,019	7,103	6,080	4,528	5,991
Mexico	1,530	2,120	2,402	2,636	2,790	3,131	3,095	2,719	2,490
Philippines	1,398	1,659	1,980	2,672	2,624	2,273	2,390	2,332	2,376
South Africa	952	1,014	1,649	1,968	2,369	2,256	2,143	1,780	1,987
Communist countries									
USSR and Eastern Europe[e]	**11,100**	**16,200**	**15,300**	**16,100**	**18,200**	**18,400**	**16,600**	**14,900**	NA
USSR	6,916	11,997	11,110	11,285	13,083	13,268	11,573	11,008	10,326
Eastern Europe	**4,210**	**4,240**	**4,160**	**4,800**	**5,150**	**5,130**	**4,980**	**3,880**	NA
Bulgaria	186	342	403	343	391	422	416	215	NA
Czechoslovakia	958	874	951	913	939	986	1,020	841	671
East Germany	739	618	587	793	758	814	855	750	891
Hungary	414	465	304	335	476	539	541	443	464
Poland	1,484	1,505	1,509	1,857	1,813	1,763	1,582	1,128	1,781
Romania	425	437	410	561	775	603	571	500	509
Other									
China[b]	NA	NA	NA	NA	1,815	2,267	2,500	2,570	3,166
Cuba[f]	5,942	6,156	8,538	6,314	6,485	7,350	7,992	6,805	7,300
Yugoslavia	243	363	385	571	725	755	801	709	853

[a] Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92 percent of raw sugar weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

[b] Including cane sugar.

[c] Including Puerto Rico.

[d] Cane sugar only.

[e] Including raw cane sugar imported for refining.

[f] Raw cane sugar of 96° polarization. Data are for crop years ending 30 June of the stated year.

Table 155 Thousand Metric Tons

Fish Catch[a]

	1960	1965	1970	1975	1977	1978	1979	1980
OECD								
United States	2,815	2,696	2,810	2,842	2,980	3,418	3,511	3,634
Canada	934	1,262	1,334	993	1,235	1,367	1,411	1,305
Iceland	593	1,199	734	995	1,374	1,567	1,645	1,515
Japan	6,207	6,929	8,825	9,895	10,123	10,184	9,945	10,410
Norway	1,543	2,312	2,906	2,482	3,402	2,587	2,650	2,398
Spain	970	1,355	1,532	1,512	1,389	1,373	1,205	1,240
European Community	**3,670**	**4,200**	**4,610**	**4,940**	**4,900**	**4,920**	**4,710**	**4,990**
Denmark	581	841	1,226	1,767	1,806	1,740	1,738	2,027
France	734	768	764	784	744	768	732	765
United Kingdom	924	1,047	1,076	954	983	1,016	890	811
West Germany	674	633	613	442	432	412	356	297
Other countries								
Chile	340	708	1,200	900	1,319	1,929	2,632	2,817
India	1,161	1,331	1,756	2,266	2,312	2,306	2,340	2,424
Indonesia	761	1,102	1,225	1,382	1,568	1,642	1,766	1,853
Peru	3,727	7,632	12,535	3,448	2,534	3,472	3,681	2,731
Philippines	466	686	1,031	1,443	1,509	1,495	1,475	1,557
Thailand	221	627	1,444	1,553	2,188	2,095	1,716	1,650
Communist countries								
USSR and Eastern Europe	**3,890**	**6,400**	**8,810**	**11,700**	**10,900**	**10,400**	**10,600**	**11,000**
USSR[b]	3,541	5,774	7,828	10,357	9,651	9,230	9,359	9,526
Eastern Europe	**349**	**624**	**978**	**1,350**	**1,250**	**1,140**	**1,230**	**1,460**
Bulgaria	8	17	84	151	138	150	136	164
Czechoslovakia	9	11	13	17	18	17	16	16
East Germany	114	229	320	330	210	201	227	244
Hungary	15	20	26	31	35	33	33	34
Poland	187	301	473	679	703	594	632	818
Romania	16	46	62	139	149	140	182	189
Other								
Cuba	31	40	106	143	185	213	148	186
Yugoslavia	31	42	46	57	61	63	57	59

[a] Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks but exclude aquatic mammals.

[b] Including aquatic mammals.

Table 156 Million Head

Cattle Numbers [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	96.24	109.00	112.37	132.03	122.81	116.38	110.86	111.19	115.01
Australia	16.50	18.82	22.16	32.79	31.53	29.33	27.11	26.20	25.17
Canada	10.39	12.13	11.63	14.01	13.71	12.87	12.33	12.40	12.47
New Zealand	5.99	6.80	8.78	9.65	8.74	8.42	8.02	8.13	8.30
Turkey [b]	14.30	14.41	14.37	14.41	15.16	15.55	15.96	16.61	17.00
European Community	**66.7**	**69.2**	**73.9**	**80.6**	**78.2**	**78.3**	**78.8**	**78.9**	**78.4**
France	18.74	20.24	21.72	24.33	23.33	23.36	23.51	23.55	23.60
Italy [b]	9.40	9.23	9.61	8.24	8.81	8.57	8.72	8.81	8.84
United Kingdom	11.48	11.69	12.30	14.84	13.67	13.52	13.49	13.32	13.12
West Germany	12.48	13.05	14.29	14.43	14.50	14.76	15.01	15.05	15.07
Other countries									
Argentina	43.52	46.79	52.26	58.70	61.89	61.83	60.17	58.94	58.68
Brazil [b]	72.89	84.25	78.45	91.00	91.00	89.00	90.00	91.00	93.00
Colombia	15.00	17.00	20.20	23.22	24.34	25.22	26.16	27.20	27.76
Ethiopia	22.45	25.42	26.23	25.88	25.66	25.86	25.90	26.00	26.10
Mexico	17.41	21.08	24.88	28.40	29.33	29.70	29.30	29.50	29.60
South Africa	12.30	12.44	10.13	12.33	13.06	13.03	13.32	12.58	12.80
Communist countries									
USSR and Eastern Europe	**99.4**	**114**	**124**	**142**	**143**	**146**	**148**	**149**	**148**
USSR	74.16	87.17	95.16	109.12	110.35	112.69	114.09	115.10	115.10
Eastern Europe	**25.2**	**27.2**	**28.5**	**33.0**	**33.1**	**33.4**	**33.7**	**33.5**	**32.6**
Bulgaria	1.28	1.47	1.26	1.55	1.72	1.74	1.76	1.79	1.80
Czechoslovakia	4.30	4.44	4.29	4.57	4.65	4.76	4.89	4.92	5.02
East Germany [c]	4.46	4.68	5.17	5.58	5.47	5.55	5.57	5.72	5.75
Hungary	2.00	1.94	1.93	2.02	1.89	1.95	1.97	1.95	1.92
Poland [c]	8.70	9.95	10.84	13.25	13.02	13.12	13.04	12.65	11.80
Romania	4.45	4.76	5.04	5.98	6.35	6.31	6.51	6.51	6.34
Other									
China [d]	79.12	79.43	92.28	97.53	94.98	93.75	93.89	94.59	95.25
Yugoslavia	5.25	5.16	4.98	5.81	5.58	5.50	5.49	5.44	5.52

[a] Unless otherwise indicated, data are as of the beginning of the year.

[b] Including buffalo.

[c] As of 30 June.

[d] Cattle, buffalo, oxen, horses, and camels.

Table 157 Million Head

Hog Numbers [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	59.03	56.11	57.05	54.69	54.93	56.54	60.36	67.35	64.52
Canada	6.05	5.60	6.56	5.90	6.16	6.65	8.01	9.69	9.55
Japan	1.92	3.98	6.34	7.68	8.13	8.78	9.49	10.00	10.06
Spain	6.03	4.02	6.92	7.86	9.86	10.50	10.53	11.26	11.25
European Community	**45.6**	**56.0**	**65.8**	**70.4**	**71.3**	**73.6**	**76.7**	**76.9**	**78.0**
Denmark	6.20	8.20	8.35	8.05	7.90	8.23	9.22	9.53	9.70
France	8.36	9.04	10.46	12.03	11.51	11.55	11.34	11.44	11.66
Italy	4.15	5.41	9.22	8.81	9.10	9.42	8.92	8.81	8.93
Netherlands	2.82	3.69	5.47	7.14	7.31	8.35	9.37	9.75	10.09
United Kingdom	6.01	7.94	8.13	8.84	8.15	7.73	7.96	7.79	7.79
West Germany	14.87	18.15	19.32	20.23	20.59	21.39	22.64	22.37	22.55
Other countries									
Brazil	46.82	58.70	35.60	35.20	36.80	37.60	36.00	36.50	35.00
Mexico	6.08	8.53	10.30	11.70	12.30	12.58	12.72	12.75	12.90
Philippines	6.57	6.94	6.46	6.60	5.70	6.91	7.44	7.93	8.33
Communist countries									
USSR and Eastern Europe	**92.6**	**97.2**	**97.9**	**132**	**123**	**132**	**136**	**138**	**135**
USSR	53.37	52.84	56.06	72.27	63.06	70.51	73.48	73.90	73.40
Eastern Europe	**39.2**	**44.4**	**41.9**	**59.8**	**59.7**	**62.0**	**62.7**	**64.1**	**61.7**
Bulgaria	2.27	2.61	1.97	3.42	3.46	3.40	3.77	3.83	3.81
Czechoslovakia	5.69	6.14	5.53	6.72	6.82	7.51	7.60	7.51	6.90
East Germany [b]	8.28	8.76	9.24	11.52	11.29	11.76	11.73	12.13	12.87
Hungary	6.07	7.04	5.70	8.29	7.85	7.85	8.01	8.37	8.33
Poland [c]	12.62	13.78	13.45	21.31	20.05	21.72	21.22	21.33	18.48
Romania	4.30	6.03	5.97	8.57	10.19	9.74	10.34	10.89	11.30
Other									
China	120.04	152.47	172.51	260.78	287.25	291.78	301.29	319.71	305.43
Cuba [d]	NA	1.75	0.26	0.60	0.75	0.76	0.81	0.72	0.79
Yugoslavia	6.21	6.99	5.54	7.68	7.32	8.45	7.75	7.87	7.74

[a] Unless otherwise indicated, data are as of the beginning of the year.

[b] As of 30 November of the previous year.

[c] As of 30 June.

[d] State sector only.

Table 158 Thousand Metric Tons

Meat Production[a]

	1960	1965	1970	1975	1977	1978	1979[b]	1980[b]	1981[b]
OECD									
United States	12,808	14,306	22,548	22,986	25,131	24,995	23,584	24,296	24,523
Australia	1,360	1,668	2,166	2,469	2,999	3,126	2,979	2,646	2,579
Canada	1,100	1,340	2,053	2,156	2,369	2,300	2,236	2,380	2,392
Japan	318[c]	589[c]	1,398	2,072	2,301	2,546	2,921	3,039	2,982
New Zealand	746	781	1,009	1,059	1,113	1,186	1,063	1,121	1,194
Spain	554[c]	599[c]	1,255	1,853	2,041	2,092	2,212	2,317	2,342
European Community	**10,300**	**11.600**	**16,400**	**18,600**	**19,100**	**19,900**	**20,700**	**21,300**	**21,700**
Denmark	760[c]	901[c]	1,040	1,080	1,104	1,148	1,252	1,314	1,338
France	2,646[c]	2,836[c]	3,814	4,357	4,403	4,547	4,929	5,062	5,212
Italy	1,011[c]	1,083[c]	2,054	2,360	2,668	3,008	2,910	3,033	3,362
Netherlands	674[c]	772[c]	1,396	1,747	1,839	1,783	1,851	1,899	1,986
United Kingdom	1,719	2,018	2,604	2,852	2,814	2,863	2,973	3,065	2,995
West Germany	2,694[c]	3,074[c]	3,749	3,956	4,084	4,403	4,570	4,668	4,651
Other countries									
Argentina	2,277[c]	2,445[c]	3,188	3,103	3,560	3,842	3,840	3,638	3,704
Brazil	1,767[c]	2,039[c]	3,015	3,569	3,996	4,089	4,176	4,401	4,698
Mexico	586[c]	750[c]	1,024	1,260	1,434	1,468	1,437	1,598	1,635
Communist countries									
USSR and Eastern Europe[d]	**13,900**	**16,100**	**19,200**	**24,600**	**24,400**	**25,800**	**26,100**	**25,800**	**25,500**
USSR	8,682	9,956	12,278	14,968	14,722	15,501	15,481	14,981	15,200
Eastern Europe	**5,260**	**6,170**	**6,920**	**9,660**	**9,710**	**10,300**	**10,600**	**10,800**	**10,300**
Bulgaria	307	464	476	657	704	726	782	781	788
Czechoslovakia	802	978	1,098	1,349	1,383	1,529	1,467	1,654	1,634
East Germany	1,021	1,126	1,271	1,837	1,767	1,809	1,824	1,899	1,935
Hungary	816	929	1,040	1,422	1,467	1,525	1,521	1,541	1,541
Poland	1,751	2,012	2,182	3,062	2,883	3,132	3,265	3,148	2,561
Romania	561	657	857	1,328	1,503	1,533	1,760	1,769	1,801
Other									
Cuba[e]	NA	NA	112	105	142	138	142	149	170
Yugoslavia[d]	824	972	1,059	1,329	1,425	1,570	1,555	1,530	1,560

[a] Data are on a carcass weight, bone-in basis, and are for beef, veal, buffalo, pork, mutton, lamb, goat, and poultry where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, game, edible offal, and lard.

[b] Non-Communist country data include meat from animals imported for slaughter.

[c] Including horsemeat.

[d] Data are on a slaughter weight, bone-in basis, and include horsemeat, rabbit, game, edible offal, and slaughter fats in addition to the meats listed in footnote a above. Slaughter weight is roughly 3 percent less than carcass weight because it excludes kidney and leaf fat. As a result of this broader coverage, the meat producton data for the USSR and Eastern Europe are above the level attained if the coverage was limited to that shown for other countries.

[e] Data are for deboned beef, pig bellies, and fresh poultry for state production only.

Table 159 Thousand Metric Tons

Milk Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	53,702	56,324	53,268	52,314	55,635	55,094	55,978	58,298	60,162
Australia	6,355	6,969	7,712	6,677	5,933	5,642	5,804	5,562	5,333
Canada	8,385	8,328	8,272	7,751	7,743	7,532	7,552	7,858	7,986
Japan	1,887	3,221	4,760	4,963	5,735	6,125	6,465	6,502	6,620
New Zealand	5,318	6,232	5,907	6,142	6,635	6,069	6,486	6,828	6,690
European Community	**83,900**	**89,000**	**91,700**	**98,600**	**102,000**	**101,000**	**103,000**	**106,000**	**106,000**
Denmark	5,399	5,367	4,630	4,918	5,138	5,324	5,225	5,117	5,037
France	22,652	26,771	27,245	29,686	30,215	25,850	26,549	27,950	28,150
Italy	9,648	9,184	8,936	9,385	9,110	9,360	10,526	10,749	10,660
Netherlands	6,838	7,142	8,239	10,221	10,612	11,367	11,587	11,785	12,160
United Kingdom	12,670	11,386	12,374	13,934	15,179	15,877	15,915	15,958	15,940
West Germany	19,250	21,253	21,856	21,604	22,523	23,291	23,907	24,778	24,800
Other countries									
Argentina	4,530	4,667	4,196	5,650	5,303	5,208	5,344	5,255	5,300
Brazil	5,045	6,194	7,722	9,970	9,539	10,500	10,100	10,265	10,500
India	NA	NA	7,630	9,750	9,800	10,100	12,500	15,500	16,500
Mexico	2,473	4,121	3,053	4,980	6,374	6,670	6,795	6,750	6,980
Spain	NA	3,993	4,456	5,138	5,354	5,560	5,661	5,871	6,000
Communist countries									
USSR and Eastern Europe	**88,500**	**101,000**	**116,000**	**127,000**	**133,000**	**134,000**	**133,000**	**130,000**	**127,000**
USSR [b]	61,718	72,563	83,016	90,804	94,929	94,677	93,341	90,900	88,500
Eastern Europe	**26,800**	**28,500**	**32,500**	**36,700**	**38,300**	**39,300**	**39,400**	**39,200**	**38,100**
Bulgaria	745	1,000	1,252	1,436	1,525	1,600	1,804	1,830	1,890
Czechoslovakia	3,830	3,924	4,795	5,463	5,530	5,642	5,663	5,909	5,908
East Germany [c]	5,730	6,371	7,091	8,095	7,939	8,226	8,198	8,321	8,202
Hungary	1,619	1,510	1,682	1,822	2,142	2,336	2,457	2,537	2,602
Poland	12,501	13,345	14,950	16,377	16,908	17,122	16,959	16,499	15,307
Romania [d]	2,358	2,304	2,755	3,458	4,230	4,368	4,365	4,148	4,150
Other									
Cuba [e]	NA	NA	475	611	642	652	654	702	712
Yugoslavia	2,283	2,303	2,567	3,654	4,073	4,132	4,286	4,342	4,462

[a] Whole milk from cows, unless otherwise indicated.

[b] Including milk from sheep, goats, camels, and mares.

[c] In terms of 3.5 percent butterfat content.

[d] Including milk from buffaloes.

[e] State production of pasteurized and raw milk.

Table 160

Thousand Metric Tons

Wool Production [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	146.20	109.30	85.02	54.22	48.68	46.69	46.63	46.33	47.30
Australia	737.20	754.23	923.40	793.48	702.73	677.02	705.70	713.40	704.30
New Zealand	266.50	315.16	333.80	294.10	302.54	310.80	320.60	360.00	385.00
Turkey	43.50	43.00	47.15	52.32	55.27	56.66	59.26	60.00	61.00
Spain	35.10	36.40	33.81	22.15	21.05	22.19	22.17	22.20	22.20
European Community	**127**	**125**	**101**	**101**	**104**	**109**	**106**	**109**	**111**
France	29.53	25.40	20.35	15.70	22.20	22.20	22.20	22.20	22.20
Italy	13.38	15.80	11.70	11.60	12.10	12.40	12.60	12.60	13.60
United Kingdom	54.98	58.65	46.30	49.30	45.81	49.08	48.07	50.41	50.40
Other countries									
Afghanistan	NA	NA	27.00	25.00	25.80	26.50	27.00	27.50	27.50
Argentina	221.10	220.60	170.00	160.00	172.00	171.00	171.00	171.00	168.00
Brazil	24.10	35.47	31.71	29.10	30.20	25.69	31.00	27.20	27.20
Chile	23.90	25.49	25.50	18.80	18.81	19.12	19.74	19.10	20.00
India	34.11	35.02	36.00	31.00	34.00	34.50	35.00	36.00	37.00
Iran	29.60	34.30	19.60	17.50	15.70	17.00	16.00	16.10	16.10
Iraq	12.70	12.70	15.85	17.70	18.40	18.80	19.20	19.60	19.60
Morocco	15.00	14.00	15.50	20.00	11.00	12.00	12.60	12.70	12.70
Pakistan	14.70	17.00	19.50	28.33	33.35	36.19	39.26	42.60	45.60
South Africa [b]	143.80	159.30	145.60	108.20	110.50	102.88	99.36	98.18	99.00
Uruguay	82.50	84.00	79.65	54.24	62.55	63.00	66.73	80.00	84.80
Communist countries									
USSR and Eastern Europe	**427**	**436**	**507**	**563**	**564**	**576**	**585**	**575**	**568**
USSR	356.80	356.90	418.90	466.60	459.00	467.00	472.30	461.20	454.00
Eastern Europe	**70.5**	**78.9**	**88.1**	**96.7**	**105**	**109**	**113**	**113**	**114**
Bulgaria	21.04	25.80	28.81	34.01	34.05	34.30	35.10	35.40	34.66
Czechoslovakia [c]	2.50	2.03	3.99	3.60	3.80	4.00	4.10	4.20	4.48
East Germany	7.90	8.10	6.90	9.70	10.40	10.98	11.30	11.50	11.70
Hungary	8.20	10.06	9.78	8.39	9.88	10.81	11.42	12.14	12.38
Poland	9.04	7.50	8.94	9.45	12.32	12.80	13.58	12.73	11.22
Romania	21.85	25.41	29.72	31.53	34.70	35.90	37.30	37.38	40.00
Other									
Yugoslavia	13.55	12.56	11.95	10.66	9.66	10.22	9.99	10.07	10.50

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[a] Raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

[b] Including data for Lesotho and Namibia.

[c] Purchases.

Table 161

Thousand Metric Tons

Ginned Cotton Production

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD	**3,420**	**3,770**	**2,800**	**2,490**	**3,950**	**3,080**	**3,890**	**3,200**	**4,220**
United States	3,107	3,260	2,219	1,808	3,133	2,364	3,185	2,422	3,426
Greece	63	75	110	130	153	153	101	114	116
Turkey	169	325	400	480	575	477	477	499	488
Other countries									
Argentina	124	104	85	140	220	173	145	85	152
Brazil	425	542	594	390	461	549	572	613	596
Colombia	70	65	117	121	140	81	125	116	87
Egypt	478	521	509	382	399	438	484	529	517
Guatemala	21	90	57	102	141	165	149	125	81
India	1,008	997	954	1,160	1,232	1,349	1,366	1,301	1,344
Iran	99	152	154	139	178	132	100	60	75
Mexico	457	567	312	197	353	340	328	352	312
Nicaragua	33	111	78	109	121	112	22	75	65
Pakistan	304	417	542	514	575	473	728	715	732
Sudan	114	164	245	108	198	139	114	96	130
Syria	111	180	150	158	151	144	128	118	130
Communist countries									
USSR and Eastern Europe	**1,480**	**1,940**	**2,360**	**2,690**	**2,980**	**2,900**	**3,120**	**3,390**	**NA**
USSR	1,458	1,925	2,343	2,674	2,978	2,890	3,115	3,387	3,264
Eastern Europe [a]	**23**	**16**	**18**	**12**	**4**	**5**	**6**	**6**	**NA**
Bulgaria	23	16	18	11	4	5	6	6	NA
Romania	NA	NA	NA	1	NEGL	NEGL	NEGL	NEGL	NEGL
Other									
China	1,063	2,098	2,277	2,381	2,049	2,167	2,207	2,707	2,968
Yugoslavia [a]	2	2	4	2	1	1	NEGL	NEGL	1

[a] Data are for the crop year beginning 1 August of the stated year.

Table 162 Kilograms per Hectare of Arable Land[a]

Mineral Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD[b]								
United States	38.9	63.0	80.9	90.0	99.5	106.1	110.6	112.4
Australia	21.2	29.2	22.2	15.9	24.5	27.7	29.4	28.1
Canada	8.6	16.3	18.5	29.8	34.3	40.9	41.0	43.2
Japan	NA	332.2	372.6	319.3	428.1	449.6	477.7	370.1
Spain	31.6	38.0	59.3	69.3	68.5	78.7	81.9	80.8
Turkey	1.5	5.7	15.7	29.8	46.5	51.8	52.6	41.0
European Community								
Belgium-Luxembourg	NA	NA	564.8	540.4	532.8	529.6	539.7	507.6
Denmark	151.1	182.3	223.4	239.4	261.1	258.7	263.0	236.4
France	102.4	150.9	243.5	246.7	277.6	297.3	311.6	296.0
Ireland	124.8	172.1	365.0	410.7	619.4	681.4	606.2	615.0
Italy	51.5	70.7	89.6	121.0	140.9	180.5	189.2	170.3
Netherlands	456.1	580.8	749.3	750.7	737.3	743.3	805.0	787.8
United Kingdom	183.3	206.5	259.9	262.9	287.6	296.1	323.5	297.3
West Germany	266.2	348.8	399.6	385.5	422.0	428.6	478.5	469.9
Other countries								
Brazil	NA	8.2	28.3	52.3	77.4	79.1	57.6	68.2
India	2.3	4.7	13.2	16.5	25.3	26.7	29.6	30.9

	1960	1965	1970	1975	1977	1978	1979	1980
Communist countries								
USSR and Eastern Europe								
USSR[c][d]	11.2	26.5	44.3	74.3	77.6	79.2	74.7	80.7
Eastern Europe[b]								
Bulgaria	33.8	79.1	141.1	156.5	171.9	171.9	192.6	194.9
Czechoslovakia[c]	91.4	166.3	240.4	314.7	310.7	333.4	334.7	331.8
East Germany	197.4	262.2	310.7	361.5	332.0	331.4	325.1	310.9
Hungary	29.5	63.3	149.7	276.3	278.7	284.8	280.5	261.4
Poland	49.0	83.1	167.8	242.4	241.0	246.2	218.3	222.4
Romania	8.1	25.4	56.5	114.0	107.1	140.4	136.5	113.1

Table 162 (continued)

Kilograms per Hectare of Arable Land [a]

Mineral Fertilizer Consumption, Nutrient Content

	1960	1965	1970	1975	1977	1978	1979	1980
Other								
Albania	NA	15.3	78.8	100.6	118.3	126.0	135.2	NA
China [e]	4.6	13.7	27.5	44.7	58.9	73.0	109.2	127.8
North Korea	NA	81.5	165.0	NA	NA	NA	NA	NA
Yugoslavia	27.9	54.8	77.0	89.6	100.9	107.9	110.2	104.4

[a] Including land under temporary crops, gardens, fallow or idle land, and permanent crops such as orchards and vineyards, unless otherwise indicated.

[b] Data are "fertilizer years"—in general, the year beginning 1 July.

[c] Including phosphate rock; excluding livestock phosphates. Data indicate the quantity supplied to agriculture.

[d] Arable land is total area less pasture and hayland.

[e] Sown area is used because of extensive multiple cropping.

Table 163

Thousand Metric Tons of N

Nitrogen Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD[a]								
United States	2,749	4,832	7,379	9,445	9,040	9,720	10,348	10,690
Canada	91	218	292	556	706	835	831	914
Japan	753	787	872	653	716	723	777	614
Spain	275	385	578	722	788	871	908	902
Turkey	25	72	243	482	666	774	770	632
European Community	**2,520**	**3,720**	**5,140**	**6,110**	**6,690**	**7,220**	**7,710**	**7,610**
France	565	871	1,453	1,708	1,832	1,978	2,135	2,146
Italy	323	462	594	724	817	1,043	1,107	1,012
United Kingdom	463	690	801	1,045	1,177	1,222	1,314	1,240
West Germany	618	874	1,131	1,228	1,325	1,354	1,478	1,551
Other countries[a]								
India	296	541	1,487	1,909	2,813	2,986	3,444	3,522
Mexico	155	264	438	732	794	752	826	878
Pakistan	NA	69	252	444	554	684	776	807

	1960	1965	1970	1975	1977	1978	1979	1980
Communist countries								
USSR and Eastern Europe[b]	**1,600**	**3,910**	**7,520**	**11,400**	**11,600**	**12,100**	**11,900**	**12,600**
USSR	769	2,282	4,605	7,339	7,522	7,658	7,467	8,262
Eastern Europe	**832**	**1,630**	**2,920**	**4,060**	**4,100**	**4,430**	**4,450**	**4,340**
Bulgaria	101	219	379	380	363	376	421	450
Czechoslovakia	143	263	413	532	601	628	630	675
East Germany	235	414	511	678	771	784	748	752
Hungary	75	180	391	536	582	570	570	537
Poland[a]	251	387	785	1.143	1,213	1,250	1,297	1,313
Romania	27	165	438	788	571	821	786	609
Other								
Albania	5	2	27	36	50	55	68	NA
China	614	1,830	3,923	6,116	7,739	9,255	9,273	NA
North Korea	NA	115	270	414	NA	NA	NA	NA
Yugoslavia	109	166	294	360	402	425	440	417

[a] Data are "fertilizer years"—in general, the year beginning 1 July.

[b] Data indicate the quantity supplied to agriculture.

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Table 164 Thousand Metric Tons of P_2O_5

Phosphate Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD [a]								
United States	2,488	3,522	4,358	4,742	4,623	5,086	4,927	4,920
Australia	572	954	743	490	784	865	908	853
Canada	169	334	326	503	561	630	626	634
Japan	491	548	656	623	747	775	831	690
New Zealand	225	342	321	386	398	415	416	345
Spain	279	306	432	422	376	461	482	476
Turkey	12	69	176	389	614	654	671	492
European Community	**2,800**	**3,540**	**4,470**	**3,950**	**4,470**	**4,800**	**4,840**	**4,350**
France	877	1,259	1,809	1,664	1,840	1,950	1,984	1,773
Italy	379	453	518	490	651	812	831	736
United Kingdom	426	422	543	391	416	425	460	404
West Germany	652	819	913	780	873	906	913	838
Other countries [a]								
Brazil	77	87	377	1,014	1,546	1,520	1,676	1,986
India	56	134	462	374	783	965	1,015	1,091

	1960	1965	1970	1975	1977	1978	1979	1980
Communist countries								
USSR and Eastern Europe	**1,800**	**3,380**	**5,150**	**7,530**	**8,100**	**8,410**	**8,620**	**8,600**
USSR [b] [c]	1,088	2,091	3,133	4,728	5,104	5,360	5,480	5,590
Eastern Europe [a]	**716**	**1,290**	**2,020**	**2,800**	**3,000**	**3,050**	**3,140**	**3,010**
Bulgaria	50	132	235	250	331	329	341	291
Czechoslovakia [d]	150	268	325	456	436	465	491	495
East Germany	218	313	410	441	427	431	416	389
Hungary	66	125	217	429	405	410	430	390
Poland	180	324	595	887	933	948	939	968
Romania	52	127	235	338	466	465	519	476
Other								
Albania	2	5	18	25	21	24	18	NA
China [b]	99	307	330	693	1,076	1,470	1,833	NA
North Korea	NA	43	50	161	NA	NA	NA	NA
Yugoslavia	71	151	182	197	205	220	220	209

[a] Data are "fertilizer years"—in general, the year beginning 1 July.

[b] Data are for soluble phosphate fertilizers and for ground phosphate rock used for direct application.

[c] Data indicate the quantity supplied to agriculture.

[d] Including phosphate rock.

Table 165

Thousand Metric Tons of K_2O

Potassium Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1977/78	1978/79	1979/80	1980/81
OECD [a]								
United States	1,967	2,922	3,839	4,726	5,013	5,665	5,665	5,664
Japan	600	613	610	525	661	723	736	512
Spain	95	92	206	258	247	288	294	284
European Community	**2,860**	**3,350**	**4,010**	**3,670**	**4,160**	**4,380**	**4,560**	**4,230**
France	750	970	1,389	1,314	1,558	1,690	1,786	1,689
Italy	104	168	225	276	327	384	417	372
United Kingdom	450	436	535	384	416	426	461	410
West Germany	1,006	1,190	1,185	1,099	1,183	1,178	1,206	1,144
Other countries [a]								
Brazil	106	100	306	558	963	991	1,103	1,307
India	28	90	228	227	483	560	546	618

	1960	1965	1970	1975	1977	1978	1979	1980
Communist countries								
USSR and Eastern Europe	**1,830**	**3,310**	**5,000**	**8,680**	**8,570**	**8,640**	**7,600**	**7,980**
USSR [b]	766	1,891	2,574	5,176	5,400	5,394	4,411	4,904
Eastern Europe [a]	**1,060**	**1,420**	**2,420**	**3,510**	**3,170**	**3,250**	**3,190**	**3,070**
Bulgaria	6	10	25	50	48	33	58	89
Czechoslovakia	217	363	489	696	597	656	624	560
East Germany	497	586	614	707	472	455	549	497
Hungary	27	53	229	553	524	560	501	472
Poland	313	396	1,036	1,431	1,440	1,408	1,332	1,354
Romania	3	12	28	71	91	137	126	101
Other								
Albania	1	1	2	2	8	5	5	NA
China	0	5	12	112	66	233	176	NA
Yugoslavia	103	138	156	163	195	210	210	198

[a] Data are "fertilizer years"—in general, the year beginning 1 July.

[b] Data indicate the quantity supplied to agriculture.

Transportation

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Billion Metric Ton-Kilometers

Railroad Freight [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	868.5	1,052.7	1,141.0	1,122.7	1,231.0	1,280.0	1,350.0	1,350.0	1,340.0
Canada	95.5	127.1	158.0	197.2	212.4	215.4	221.9	228.1	NA
Japan	53.4	57.3	63.4	47.1	41.3	40.3	42.9	39.6	34.1
European Community	**168**	**176**	**202**	**168**	**173**	**175**	**190**	**186**	**175**
France	56.9	64.6	70.4	64.0	66.2	67.3	70.7	69.5	64.2
Italy [c]	15.9	15.3	18.0	14.9	17.6	16.6	17.7	18.0	16.7
United Kingdom [d]	30.5	25.2	26.8	20.9	20.1	20.0	19.9	17.6	17.5
West Germany	52.3	57.1	71.3	55.1	55.8	57.3	66.2	65.3	62.0
Other countries									
India [e] [f]	87.8	116.8	127.4	148.2	162.7	154.8	158.7	147.3	179.5
South Africa [e] [g]	30.8	42.7	57.2	61.9	69.3	80.2	84.1	96.8	NA
Communist countries									
USSR and Eastern Europe	**1,690**	**2,180**	**2,770**	**3,580**	**3,709**	**3,800**	**3,720**	**3,810**	NA
USSR	1,504.3	1,950.2	2,494.7	3,236.5	3,330.9	3,429.4	3,349.3	3,439.9	3,503.2
Eastern Europe	**183**	**230**	**278**	**347**	**364**	**372**	**375**	**375**	NA
Bulgaria	7.0	10.8	13.9	17.3	17.1	17.1	17.7	17.7	18.1
Czechoslovakia	43.9	53.2	55.9	62.7	64.8	65.3	66.5	66.1	NA
East Germany	32.9	38.9	41.5	49.7	52.2	53.0	54.4	56.4	55.8
Hungary	13.3	17.3	19.8	23.5	24.2	24.5	24.7	24.4	24.3
Poland	66.5	81.0	99.3	129.2	135.4	138.1	135.4	134.7	109.8
Romania	19.8	31.0	48.0	64.8	70.0	73.7	76.0	75.5	NA
Other									
China	241.4	201.1	284.7	417.7	455.7	533.3	558.8	571.7	571.2
North Korea	9.1	10.5	14.3	24.3	28.6	30.6	NA	NA	NA

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

[b] Including secondary or private railroads operating as common carriers.

[c] Excluding livestock.

[d] Excluding data for Northern Ireland.

[e] Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

[f] Including service traffic.

[g] Including Namibia.

Table 167

Million Metric Tons

Railroad Freight [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	1,180.5	1,341.7	1,426.3	1,368.5	1,499.2	1,556.9	1,637.3	1,645.0	1,630.0
Canada [b]	161.2	204.4	211.2	252.4	246.0	262.0	270.0	276.0	290.0
European Community									
France	227.0	238.7	260.0	228.0	222.0	222.0	233.0	229.0	212.0
United Kingdom [c]	253.1	232.2	209.0	176.0	170.0	171.0	169.0	150.0	149.0
West Germany [b] [d]	429.2	423.1	392.6	328.7	324.0	337.3	371.9	367.0	349.0
Communist countries									
USSR and Eastern Europe	**2,820**	**3,520**	**4,140**	**5,080**	**5,240**	**5,310**	**5,240**	**5280**	NA
USSR	1,884.9	2,415.3	2,896.0	3,621.1	3,723.4	3,776.4	3,687.8	3,728.0	3,762.0
Eastern Europe	**931**	**1,110**	**1,240**	**1,460**	**1,510**	**1,540**	**1,550**	**1,550**	NA
Bulgaria	38.4	56.0	68.2	78.8	75.2	75.0	77.7	77.8	81.5
Czechoslovakia	194.1	218.5	236.9	271.4	274.3	278.5	283.3	286.2	286.3
East Germany	237.8	260.4	262.9	289.0	298.6	299.7	302.5	311.6	315.2
Hungary [e]	96.0	114.8	117.4	131.7	134.5	134.9	134.1	129.8	131.0
Poland	286.9	341.3	382.3	464.2	481.1	489.4	480.0	482.1	401.5
Romania	77.5	114.4	171.3	228.3	247.9	259.6	272.9	274.6	NA
Other									
China	492.0	408.0	575.0	840.0	915.0	1,070.0	1,118.9	1,112.8	1,112.0
Cuba	NA	10.0	11.7	10.9	13.6	13.5	13.5	14.1	16.5
North Korea	38.5	52.0	68.0	106.4	124.4	133.0	NA	NA	NA

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

[b] Including secondary or private railroads operating as common carriers.

[c] Including data for Northern Ireland.

[d] Including service traffic.

[e] Including performance of railroads owned jointly by Hungary and Austria within Hungary.

Table 168

Billion Metric Ton-Kilometers

Motor Vehicle Freight

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	323.85	589.27	675.85	744.75	910.43	982.61	997.38	930.12	926.84
Japan	20.80	48.39	135.92	129.70	143.10	156.06	172.89	178.90	179.02
Communist countries [b]									
USSR and Eastern Europe	**119**	**175**	**278**	**433**	**487**	**517**	**534**	**558**	NA
USSR	98.52	143.08	220.83	337.93	373.33	395.98	409.60	432.10	454.0
Eastern Europe	**20.0**	**31.6**	**57.0**	**94.7**	**114**	**121**	**124**	**126**	NA
Bulgaria	2.04	3.82	7.90	12.39	15.50	16.16	15.60	15.89	16.92
Czechoslovakia	5.11	6.98	10.09	15.02	17.31	18.74	20.08	20.57	NA
East Germany	5.00	7.21	12.23	16.69	20.05	21.23	21.57	21.70	NA
Hungary	NA	2.73	5.82	8.73	10.44	11.46	11.70	11.22	11.50
Poland	5.69	8.38	15.76	32.60	40.28	42.60	43.87	44.55	36.08
Romania	0.94	2.53	5.16	9.29	10.00	10.46	11.48	11.76	NA
Other									
China	NA	NA	16.10	21.60	25.09	27.40	26.80	25.50	26.04

[a] Total traffic for all urban streets and rural roads.

[b] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 169

Million Metric Tons Carried

Motor Vehicle Freight [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Communist countries									
USSR and Eastern Europe	**9,920**	**12,900**	**17,800**	**25,900**	**27,900**	**29,100**	**29,100**	**30,200**	NA
USSR	8,493	10,746	14,623	20,914	22,223	23,200	23,175	24,149	24,809
Eastern Europe	**1,430**	**2,140**	**3,170**	**4,970**	**5,670**	**5,870**	**5,940**	**6,000**	NA
Bulgaria	128	281	493	724	815	834	836	816	816
Czechoslovakia	428	578	703	997	1,083	1,130	1,171	1,252	NA
East Germany	270	346	464	588	714	741	730	730	693
Hungary	135	239	407	501	564	591	598	590	615
Poland	408	569	863	1,743	2,039	2,109	2,193	2,163	NA
Romania	57	131	240	419	458	462	415	451	NA
Other									
China	NA	490	644	725	809	845	816	760	766
Cuba [b]	NA	4	7	40	52	58	61	65	80

[a] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

[b] State transport only.

Table 170 **Billion Metric Ton-Kilometers**

Inland Water Freight

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	123.00	162.55	229.21	265.16	296.44	307.48	319.01	335.90	339.10
European Community									
France	10.77	12.51	14.18	11.90	11.27	11.59	11.90	12.15	NA
Netherlands	20.02	24.07	30.74	29.60	32.13	34.46	33.47	33.48	NA
West Germany	40.39	43.31	48.81	47.56	49.25	51.49	50.99	51.44	NA
Communist countries									
USSR and Eastern Europe	**107**	**143**	**186**	**235**	**244**	**258**	**247**	**260**	NA
USSR	99.60	133.93	173.98	221.71	230.65	243.65	232.66	244.90	255.40
Eastern Europe	**7.67**	**9.40**	**11.9**	**12.8**	**13.5**	**14.7**	**14.0**	**15.1**	NA
Bulgaria	0.62	1.06	1.83	2.39	2.45	2.45	2.62	2.61	2.54
Czechoslovakia	1.96	2.17	2.43	2.58	2.71	3.20	3.36	3.59	NA
East Germany	2.25	2.20	2.36	2.36	2.22	2.27	1.93	2.16	2.36
Hungary	1.08	1.34	1.60	1.47	1.71	1.87	1.84	2.06	2.21
Poland	0.90	1.41	2.36	1.95	2.34	2.65	2.04	2.33	1.91
Romania	0.86	1.22	1.35	2.08	2.05	2.29	2.18	2.35	NA

[a] Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1979, coastwise and foreign trade traffic within US waters together amounted to 117 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 115 billion metric ton-kilometers of domestic trade and 63 billion metric ton-kilometers of US foreign trade.

Table 171

Inland Water Freight

Million Metric Tons Carried

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	358.56	428.63	502.22	528.17	555.33	566.10	569.79	600.00	605.00
European Community									
France	68.05	89.76	110.35	94.58	91.20	91.56	92.86	92.20	NA
Netherlands	149.67	193.99	241.44	235.80	272.62	277.61	268.29	269.27	NA
West Germany	171.36	195.69	240.00	227.30	232.53	246.31	246.49	240.98	NA
Communist countries									
USSR and Eastern Europe	**235**	**298**	**395**	**524**	**576**	**609**	**602**	NA	NA
USSR	210.32	269.44	357.80	475.50	520.60	546.20	537.20	568.00	595.00
Eastern Europe	**24.9**	**28.4**	**36.8**	**48.7**	**55.6**	**62.3**	**64.8**	NA	NA
Bulgaria	1.56	2.32	3.69	4.41	4.57	4.68	4.89	4.94	5.05
Czechoslovakia	3.53	4.06	4.46	5.65	6.42	7.88	8.79	10.46	NA
East Germany	12.63	12.13	13.66	14.59	15.10	15.56	14.80	16.30	17.83
Hungary	2.30	2.40	2.78	3.04	3.40	3.50	3.51	3.61	NA
Poland	2.95	4.68	8.84	14.89	19.14	22.42	23.15	22.25	16.57
Romania	1.91	2.86	3.40	6.10	6.97	8.29	9.69	NA	NA
Other									
Cuba [b]	NA	0.37 [c]	0.93 [c]	4.83 [d]	4.45 [d]	4.75 [d]	5.04 [d]	5.25 [d]	4.63 [d]

[a] Internal, intraport, and local water traffic, excluding Great Lakes traffic.

[b] Coastal freight.

[c] Transported by Flota Propia.

[d] Transported by Flota Propia and companion boats.

Table 172

Billion Metric Ton-Kilometers

Ocean Freight [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
Communist countries									
USSR and Eastern Europe	**189**	**503**	**922**	**1,150**	**1,230**	**1,320**	**1,320**	NA	NA
USSR [b]	131.5	388.8	656.1	736.3	772.6	827.6	851.1	848.2	846.1
Eastern Europe	**57.7**	**114**	**266**	**410**	**459**	**492**	**471**	NA	NA
Bulgaria [c]	2.5	9.1	38.9	42.2	43.3	49.4	60.8	62.5	NA
Czechoslovakia	7.5	8.3	10.5	12.0	13.9	14.2	14.6	NA	NA
East Germany [c]	10.5	30.2	69.7	79.7	70.4	62.8	65.7	70.7	71.1
Hungary [d]	1.3	1.7	2.7	4.0	6.0	6.6	6.7	7.5	NA
Poland [c] [e]	34.8	56.4	106.6	206.1	262.7	298.9	250.9	257.4	217.5
Romania	1.1	8.4	37.5	66.3	62.3	60.1	72.2	80.3	NA

[a] Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons.

[b] Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

[c] Including coastal traffic.

[d] Including Danube River traffic.

[e] Possibly excluding the performance of some ships flying the Polish flag but under control of the Chinese-Polish Shipbrokers Corporation.

Table 173

Billion Passenger-Kilometers

Air Passengers

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	62.5	110.5	212.0	262.0	311.0	365.3	421.6	405.9	391.4
Canada	4.3	7.6	15.4	25.0	27.3	29.5	34.6	36.2	35.4
Japan	1.1	4.6	15.0	30.1	39.0	43.9	50.1	51.6	56.6
European Community									
France	5.2	7.5	13.6	23.3	27.3	30.2	32.8	34.1	36.5
United Kingdom	7.3	10.7	19.0	30.2	35.6	45.2	52.6	56.0	58.9
Communist countries									
USSR	12.1	38.1	78.2	122.6	127.5	140.1	151.0	160.6	171.7

[a] Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

Table 174

Million Metric Ton-Kilometers

Air Freight [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	1,377	3,363	7,277	8,603	9,598	10,201	11,040	10,938	10,870
Canada	66	156	425	628	671	730	800	820	810
Japan	24	114	426	920 [c]	1,230 [d]	1,440 [d]	1,720 [d]	1,980 [d]	2,140 [d]
European Community									
France	152	232	542	1,086	1,664	1,810	2,031	2,093	2,239
Netherlands	117	212	393	617	755	823	913	996	1,100
United Kingdom	181	370	617	933	1,148	1,310 [e]	1,410 [e]	1,550 [e]	1,650 [e]
West Germany	41	157	523	974	1,269	1,411	1,586	1,585	1,584
Communist countries									
USSR	563	1,338	1,877	2,590	2,800	2,860	2,910	3,090	3,080

[a] Express, freight, and mail traffic.

[b] Revenue ton-kilometers flown on scheduled service of certificated route air carriers.

[c] Japan Air Lines data only.

[d] Japan Air Lines and Japan-Asia Airways.

[e] Excluding airlines based in the UK territories and dependencies.

Table 175

Units

Civil Aircraft Inventory [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
United States [b]									
Jet	202	712	2,136	2,114	2,168	2,237	2,422	2,469	2,465
Turboprop	227	288	374	260	234	240	246	267	331
Piston	1,408	838	153	114	68	65	79	77	79
USSR [c]									
Jet	191	227	430	1,075	1,369	1,570	1,700	1,750	1,800
Turboprop	174	555	1,238	1,400	1,500	1,600	1,700	1,850	2,000

[a] Data exclude light aircraft. No attempt has been made to standardize comparisons of the US and Soviet aircraft inventories in terms of capacity for passenger-cargo carrying and/or range capability.

[b] Large aircraft only. Data for commuters and all cargo operators not available prior to 1979. This data refers to certificate route carriers, supplementals, and commercial operators.

[c] Data basically represent the inventory of Aeroflot—the Soviet civil airline.

Table 176

Billion Metric Ton-Kilometers

Petroleum Pipelines

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States	333.8	447.3	629.2	740.2	797.1	855.6	883.3	915.0	946.0
Communist countries									
USSR and Eastern Europe	NA	**155**	**300**	**693**	**960**	**1,090**	**1,180**	**1,260**	NA
USSR	51.2	146.7	281.7	665.9	922.4	1,049.1	1,140.7	1,216.0	1,263.2
Eastern Europe	NA	**7.9**	**18.1**	**26.7**	**37.4**	**39.3**	**40.0**	**41.2**	NA
Czechoslovakia	NA	3.2	6.4	4.4	9.5	9.8	10.1	10.3	NA
East Germany	0	0.1	2.2	4.3	4.6	4.7	4.9	5.0	NA
Hungary	0.1	0.3	0.7	2.5	2.9	3.1	3.4	3.6	NA
Poland	NA	3.2	7.0	12.7	16.3	16.9	16.8	17.1	NA
Romania	1.0	1.1	1.8	2.8	4.1	4.8	4.8	5.2	NA

Table 177

Million Metric Tons Carried

Petroleum Pipelines

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [a]	414.7	554.9	784.6	862.9	925.3	963.3	982.6	1,020.0	960.0
Communist countries									
USSR and Eastern Europe	NA	**254**	**402**	**604**	**688**	**728**	**751**	**772**	NA
USSR	129.9	225.7	339.9	498.3	558.9	588.7	609.0	630.2	638.0
Eastern Europe	NA	**28.0**	**61.8**	**106**	**129**	**139**	**142**	**142**	NA
Czechoslovakia	NA	7.0 [b]	13.4 [b]	14.9 [b]	20.1	21.1	21.6	21.5	NA
East Germany	0	3.8	15.4	32.1	38.1	40.2	40.9	41.6	NA
Hungary	1.2	3.7	6.3	13.8	13.4	15.4	16.0	15.7	NA
Poland	NA	6.1	15.4	30.5	38.7	41.1	40.7	40.7	NA
Romania	5.6	7.4	11.3	14.5	18.3	21.2	22.8	22.5	NA

[a] Data are for tons originated, thus giving a more realistic comparison with the Communist countries.
[b] Crude petroleum only.

Table 178 Thousand Units

Mainline Locomotive Inventory [a]

	1960	1965	1970	1975	1977	1978	1979	1980
OECD								
United States [b]	31.18	30.06	29.12	30.20	29.70	27.02	27.85	28.86
Austria	1.48	1.40	1.20	1.19	1.21	1.20	1.21	1.22
Spain	3.64	3.38	1.70	1.14	1.19	1.20	1.20	1.21
Sweden	1.88	1.66	1.58	1.42	1.40	1.38	1.37	1.38
Switzerland	1.10	1.26	1.33	1.42	1.43	1.44	1.44	1.45
European Community	**43.0**	**32.7**	**25.0**	**23.8**	**23.2**	**23.5**	**23.3**	**23.0**
France	7.96	7.36	6.07	5.98	6.00	6.08	6.06	6.06
Italy	5.28	4.47	3.58	3.63	3.49	3.70	3.69	3.72
United Kingdom	16.05	8.08	4.45	3.86	3.69	3.69	3.71	3.53
West Germany	10.44	9.59	8.05	7.65	7.42	7.34	7.18	7.10
Communist countries								
USSR and Eastern Europe	**55.8**	**49.5**	**48.9**	**59.5**	**64.4**	**65.1**	NA	NA
USSR	34.00	26.90	28.90	37.13	40.76	42.59	44.34	45.95
Eastern Europe	**21.8**	**22.6**	**20.0**	**22.4**	**23.6**	**22.5**	NA	NA
Bulgaria	0.64	0.73	0.68	0.64	0.73	0.75	NA	NA
Czechoslovakia	5.23	5.20	4.60	4.98	4.78	4.68	4.48	4.27
East Germany	6.00	6.00	5.00	5.92	5.89	5.90	5.62	5.62
Hungary	2.46	2.60	2.00	1.92	2.29	2.32	2.36	2.40
Poland	5.80	6.33	6.25	7.04	7.34	7.18	7.51	7.51
Romania	1.72	1.78	1.50	1.88	2.62	1.67	NA	NA
Other								
China	5.60	5.34	6.53	8.63	9.25	9.68	10.15	10.56
North Korea	0.35	0.40	0.49	0.67	NA	NA	NA	NA

[a] Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

[b] Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

Table 179 Thousand Units

Railroad Freight Car Inventory [a]

	1960	1965	1970	1975	1977	1978	1979	1980
OECD								
United States [b] [c]	1,945.7	1,806.2	1,803.7	1,755.5	1,697.4	1,683.4	1,731.8	1,741.7
European Community								
France	362.6	362.3	302.4	283.9	265.3	257.0	252.5	253.1
United Kingdom [c] [d]	956.0	605.6	383.9	239.7	185.5	168.8	160.1	137.6
West Germany	309.6	329.5	321.0	335.1	338.3	333.1	330.7	334.2
Communist countries								
USSR and Eastern Europe								
USSR	949.0	1,030.0	1,140.0	1,410.4	1,558.4	1,631.9	1,697.2	1,760.2
Eastern Europe								
Bulgaria	22.0	33.0	37.8	43.0	46.5	NA	NA	NA
Czechoslovakia	129.3	136.1	135.8	136.0	141.6	146.9	NA	150.1
East Germany	154.3	152.0	150.0	141.8	140.0	148.0	NA	153.0
Hungary	62.0	73.4	71.4	88.9	120.0	125.0	128.0	131.7
Poland	249.0	263.9	274.3	305.0	307.0	NA	NA	328.3
Romania	55.5	68.6	86.0	95.0	121.1	NA	NA	NA
Other								
China [e]	132.0	143.0	175.0	237.0	254.9	269.3	282.6	290.4
North Korea [e]	10.4	15.2	23.8	45.3	NA	NA	NA	NA

[a] Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the OECD and the Communist countries are omitted.

[b] Units of four or more axles.

[c] Including secondary or private railroads operating as common carriers.

[d] Excluding privately owned tank cars and including data for Northern Ireland.

[e] The majority are four-axle units.

Table 180

Thousand Units

Civilian Truck Inventory [a]

	1960	1965	1970	1975	1977	1978	1979	1980	1981
OECD									
United States [b]	11,329	14,035	17,843	24,612	28,312	30,411	31,992	32,238	33,606
European Community									
France [c]	1,598	2,134	2,678	2,078	2,336	2,453	2,536	2,642	NA
United Kingdom [d]	1,442	1,726	1,768	1,677	1,700	1,721	1,986	1,919	NA
West Germany [e]	688	975	1,141	1,281	1,326	1,368	1,443	1,500	NA
Communist countries									
USSR and Eastern Europe	**3,670**	**4,620**	**5,730**	NA	NA	NA	NA	NA	NA
USSR	3,140	3,900	4,700	7,000	8,400	9,120	10,000	10,774	11,549
Eastern Europe	**529**	**715**	**1,030**	NA	NA	NA	NA	NA	NA
Bulgaria	68	95	115	NA	NA	NA	NA	NA	NA
Czechoslovakia	117	140	198	261	290	309	325	340	NA
East Germany	132	166	282	301	333	327	334	348	NA
Hungary	29	43	74	109	122	129	NA	225	NA
Poland	130	189	274	425	510	544	580	612	639
Romania	53	82	139	150	NA	NA	NA	NA	NA
Other									
China [f]	154	230	434	914	1,142	1,278	1,445	1,644	1,796
North Korea [f]	11	30	54	116	152	170	191	NA	NA

[a] Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage and exclude military trucks of all types.

[b] Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state.

[c] Beginning in 1975, only trucks less than 10 years old are being counted.

[d] Including data for Northern Ireland. Data are as of 1 October of the stated year.

[e] As of 1 July of the stated year.

[f] Including both military and civilian trucks.

Table 181

Merchant Fleet Inventory [a]

	1965		1970		1975		1979		1980		1981	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World total	**17,825**	**214,069**	**19,503**	**325,149**	**22,353**	**556,388**	**24,155**	**641,258**	**23,855**	**638,080**	**24,247**	**653,017**
Non-Communist countries	**16,243**	**202,277**	**17,020**	**303,720**	**19,222**	**523,247**	**20,456**	**595,419**	**20,035**	**590,671**	**20,413**	**604,363**
OECD	12,440	148,453	12,164	208,962	11,286	316,611	11,126	320,041	10,971	323,209	10,802	325,534
Non-European Community	6,573	80,586	6,291	109,801	5,341	158,533	4,628	142,959	4,556	145,348	4,548	150,376
United States [b]	2,376	28,283	1,579	21,346	857	17,694	582	19,600	568	20,169	563	21,167
Japan	1,333	16,450	2,109	39,142	2,051	63,238	1,849	57,405	1,843	57,322	1,818	57,573
Norway	1,365	23,538	1,173	32,374	991	47,796	626	38,272	613	36,789	615	39,214
Sweden	443	5,643	366	6,898	324	12,723	256	6,911	258	6,378	249	5,642
Other	1,056	6,672	1,064	10,041	1,118	17,082	1,315	20,771	1,274	24,689	1,303	26,780
European Community	5,867	67,867	5,873	99,161	5,945	158,078	6,498	177,082	6,415	177,861	6,254	175,158
France	542	6,406	457	9,007	444	17,690	364	20,770	354	20,327	326	18,237
Greece [c]	916	10,388	1,195	18,214	1,804	37,638	2,808	63,600	2,835	67,067	2,857	73,327
Italy	588	6,917	625	9,803	633	16,081	672	18,335	647	17,331	636	16,389
United Kingdom	2,052	26,385	1,772	37,065	1,576	54,913	1,356	46,168	1,313	45,386	1,184	40,611
West Germany	843	7,184	993	11,697	611	13,453	495	11,873	470	11,630	437	10,750
Other	926	10,587	831	13,375	877	18,303	803	16,316	796	16,120	814	15,844
Non-OECD countries	3,803	53,824	4,856	94,758	7,936	206,636	9,330	275,378	9,064	267,462	9,611	278,829
Flag of Convenience	1,898	38,341	2,686	72,065	4,675	159,568	4,937	192,744	4,863	189,477	5,076	191,876
Cyprus	21	207	217	1,933	573	4,762	432	2,826	347	2,212	332	2,383
Liberia	1,313	30,906	1,840	60,992	2,546	132,694	2,271	155,342	2,191	150,058	2,149	144,168
Panama	564	7,228	629	9,140	1,556	22,112	2,234	34,576	2,325	37,207	2,595	45,325
Other countries	1,905	15,483	2,170	22,693	3,261	47,068	4,393	82,634	4,201	77,985	4,535	86,953
Brazil	227	1,590	201	2,017	260	4,546	258	6,416	278	7,681	297	8,595
India	210	2,266	242	3,709	308	6,943	368	9,279	365	9,359	374	9,611
Malaysia/Singapore	8	19	99	643	429	8,118	699	13,038	651	12,571	662	13,311
Other	1,460	11,608	1,628	16,324	2,264	27,461	3,068	53,901	2,907	48,374	3,202	55,436
Communist countries	**1,582**	**11,792**	**2,483**	**21,429**	**3,131**	**33,141**	**3,699**	**45,839**	**3,820**	**47,409**	**3,834**	**48,654**
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,290	23,337	2,502	29,890	2,527	30,143	2,538	30,821
USSR [d]	985	7,961	1,395	11,921	1,622	15,044	1,718	18,551	1,725	18,919	1,736	19,290
Eastern Europe	186	1,501	544	4,924	668	8,293	784	11,339	802	11,225	802	11,531
Bulgaria [e]	60	548	106	948	110	1,228	106	1,643	103	1,617	102	1,637

Table 181 (continued)

Merchant Fleet Inventory [a]

	1965		1970		1975		1979		1980		1981	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
Czechoslovakia [f]	9	105	12	138	14	221	17	230	16	227	19	275
East Germany	60	550	130	1,310	146	1,729	154	1,878	158	1,864	152	1,837
Hungary	17	23	16	28	16	67	22	105	22	114	22	114
Poland [g]	10	105	230	2,000	289	3,866	302	4,701	312	4,705	305	4,727
Romania	30	170	50	500	93	1,182	183	2,782	191	2,698	202	2,941
Other	411	2,330	544	4,584	841	9,804	1,197	15,949	1,293	17,266	1,296	17,833
Albania [h]	8	44	11	72	11	72	10	74	10	74	10	74
China	190	1,075	269	1,944	495	6,082	796	10,933	870	11,800	907	12,220
Cuba	31	203	53	428	64	581	73	801	78	893	82	958
Yugoslavia	180	1,000	200	2,100	229	2,826	255	3,632	262	3,785	260	4,111
Other [i]	2	8	11	40	42	243	63	509	73	714	37	470

[a] Ships of 1,000 gross register tons (GRT) or more. Data are as of the end of the year. Data for the non-Communist countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

[b] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[c] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[d] Excluding the Caspian Sea Fleet passenger ships and vessels subordinate to the Ministry of the Fishing Industry.

[e] Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of non-Communist countries.

[f] Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with China.

[g] Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1980, there were 12 of these ships.

[h] Data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company.

[i] Including North Korean, Vietnamese, and Kampuchean vessels.

Table 182

Tanker Fleet Inventory [a]

	1965		1970		1975		1979		1980		1981	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	**3,533**	**89,576**	**4,119**	**152,450**	**5,177**	**301,667**	**5,342**	**382,107**	**5,439**	**379,869**	**5,606**	**378,753**
Non-Communist countries	**3,290**	**85,629**	**3,759**	**146,555**	**4,736**	**292,241**	**4,773**	**368,657**	**4,910**	**366,527**	**5,080**	**365,220**
OECD	2,350	58,883	2,528	96,952	2,917	173,746	2,753	196,714	2,855	197,425	2,928	196,724
Non-European Community	1,274	32,365	1,328	48,690	1,469	88,179	1,379	96,139	1,450	97,251	1,515	99,740
United States [b]	341	7,561	294	7,739	267	9,711	274	15,108	273	15,024	279	16,192
Japan	236	6,965	368	16,036	531	33,950	534	34,347	567	34,486	575	32,793
Norway	467	13,599	363	17,351	332	28,467	280	30,050	273	28,899	296	30,955
Sweden	73	2,098	80	2,887	79	6,524	64	4,354	69	4,087	76	3,385
Other	157	2,142	223	4,677	260	9,527	227	12,280	268	14,755	289	16,415
European Community	1,076	26,518	1,200	48,262	1,448	85,567	1,374	100,575	1,405	100,174	1,413	96,984
France	157	3,682	135	5,799	154	13,190	124	16,885	120	16,632	105	14,703
Greece [c]	129	2,970	216	7,714	345	15,557	403	26,817	422	27,997	466	33,128
Italy	143	2,872	198	4,585	236	7,953	254	12,775	247	11,758	245	10,968
United Kingdom	441	11,562	434	20,863	459	32,869	407	30,893	426	30,733	379	25,554
West Germany	48	1,295	59	2,956	83	5,627	61	5,235	67	5,353	82	5,078
Other	158	4,137	158	6,345	171	10,371	125	7,970	123	7,702	136	7,553
Non-OECD countries	940	26,746	1,231	49,603	1,819	118,495	2,020	171,943	2,055	169,102	2,152	168,496
Flag of Convenience	686	23,310	916	42,708	1,299	100,554	1,262	134,960	1,252	130,445	1,269	126,256
Cyprus	1	13	13	214	47	860	25	263	21	194	20	313
Liberia	534	19,018	730	36,802	1,014	89,470	952	120,643	943	116,018	905	108,468
Panama	151	4,279	173	5,692	238	10,224	285	14,054	288	14,233	344	17,475
OPEC	38	571	42	1,315	82	4,245	188	12,154	206	12,740	294	17,117
Iraq	0	0	0	0	10	380	21	2,153	22	2,164	20	2,116
Kuwait	3	161	6	787	7	1,150	20	2,749	22	2,613	26	2,707
Libya	0	0	0	0	5	410	14	1,506	14	1,506	14	1,507
Venezuela	14	284	16	372	15	440	14	464	13	409	18	673
Other	21	126	20	156	45	1,865	119	5,282	135	6,047	216	10,114
Other Non-OPEC	216	2,865	273	5,580	438	13,696	570	24,829	597	25,917	589	25,123
Brazil	46	604	45	810	53	944	71	4,592	74	5,032	79	5,249
India	8	217	13	510	25	1,510	47	3,443	47	3,467	50	3,547

Table 182 (continued)

Tanker Fleet Inventory [a]

	1965		1970		1975		1979		1980		1981	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
Other	162	2,044	215	4,260	360	11,242	452	16,744	476	17,419	460	16,327
Communist countries	**243**	**3,947**	**360**	**5,895**	**441**	**9,426**	**569**	**13,450**	**529**	**13,342**	**526**	**13,533**
USSR and Eastern Europe	212	3,562	301	5,108	331	6,975	409	10,284	361	10,081	362	10,391
USSR [d]	184	3,125	265	4,389	280	4,796	355	7,482	310	7,537	311	7,710
Eastern Europe	28	437	36	719	51	2,179	54	2,802	51	2,544	51	2,681
Bulgaria	11	160	18	267	20	472	18	549	18	549	18	549
East Germany	10	144	9	288	16	612	13	503	12	427	11	416
Poland	5	95	5	95	8	665	14	1,014	13	982	13	980
Romania	2	38	4	69	7	430	9	736	8	586	9	736
Other	31	385	59	787	110	2,451	160	3,166	168	3,260	164	3,142
China	19	135	38	375	80	1,916	126	2,594	132	2,513	137	2,456
Cuba	2	5	3	26	6	75	11	111	11	111	11	111
Yugoslavia	10	245	15	380	14	378	12	355	13	434	11	430
Other [e]	0	0	3	6	10	82	11	106	12	202	5	145

[a] Tankers and whaling tankers of 1,000 gross registered tons (GRT) or more. Data are as of the end of the year and include specialized oil and chemical tankers and some combination carriers (oil/dry bulk carriers). For the purposes of this table, the tonnage is converted to deadweight (DWT).

[b] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[c] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[d] Excluding the Caspian Sea Fleet and tankers assigned to the Ministry of the Fishing Industry.

[e] Including North Korean, Vietnamese, and Kampuchean vessels.

Table 183

Fishing Fleet Inventory [a]

	1970		1975		1978		1979		1980		1981	
	Number	Thousand GRT [b]	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
OECD												
United States	201	74	1,743	398	1,974	428	2,190	464	2,537	524	2,750	551
Japan	2,386	978	3,149	1,217	2,757	926	2,796	1,081	2,989	1,107	3,023	1,102
Norway	635	182	621	211	678	221	724	243	715	240	663	230
Spain	1,364	433	1,744	550	1,808	586	1,797	570	1,776	558	1,699	532
European Community	**2,140**	**760**	**2,460**	**899**	**2,250**	**749**	**2,264**	**737**	**2,298**	**731**	**2,347**	**727**
France	660	195	620	200	543	178	521	171	514	170	495	162
Netherlands	284	57	392	93	377	87	371	89	386	94	406	98
United Kingdom	577	235	618	236	528	182	507	170	516	169	473	144
West Germany	182	147	147	145	152	134	146	128	136	117	126	104
Communist countries												
USSR and Eastern Europe	**3,430**	**4,440**	**4,720**	**6,560**	**4,960**	**6,990**	**5,060**	**7,150**	**5,180**	**7,500**	**4,880**	**7,480**
USSR	3,055	3,997	4,219	5,937	4,399	6,406	4,460	6,345	4,564	6,678	4,273	6,670
Eastern Europe	**373**	**445**	**498**	**626**	**561**	**580**	**598**	**808**	**615**	**819**	**608**	**807**
Bulgaria	17	55	34	94	34	78	40	110	40	110	39	108
East Germany	172	136	164	147	161	112	171	173	171	173	168	165
Poland	176	231	270	282	331	286	344	355	357	354	351	344
Romania	8	23	30	103	35	104	43	170	47	182	50	190
Other												
Cuba	167	66	181	81	201	155	203	167	264	172	264	173
Yugoslavia	3	1	3	1	5	3	6	3	8	3	9	2

[a] Data are as of midyear.

[b] Gross register tons; excluding ships under 100 GRT.

Table 184

Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger, January 1982

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD		
Canada	Come by Chance	500
	Saint John, New Brunswick	350
	Point Tupper	350
France	Antifer	700
	Marseille/Fos	400
	Dunkirk	300
	Le Havre	300
	Sete	275
	Bordeaux	200
Greece	Aghii Theodori	250
	Megara	540
Ireland	Bantry Bay	500
Italy	Gela	500
	Genoa	500
	Milazzo (Sicily)	330
	Ancona	300
	Falconara	300
	Ravenna	265
	Augusta (Sicily)	250
	Porto Torres (Sardinia)	250
	Savona	250
	Taranto	210
	Gaeta	200
	Sarroch (Sardinia)	200
Japan	Kagoshima	500
	Okinawa	500
	Niigata	280
	Kashima	270
	Kawasaki	270
OECD (continued)		
Japan (continued)	Uhita	270
	Yokaichi	270
	Yokohama	270
	Nagoya	255
	Chiba	250
	Oita	250
	Shimizu	250
	Shimotsu	250
	Ube	250
	Mizushima	230
	Himeji	210
	Owase	210
	Wakayama	200
Netherlands	Rotterdam	300
Norway	Mongstad	300
	Slagenstangen (Oslo)	260
Portugal	Sines	300
Spain	Bilbao	500
	Malaga	300
	Terragona	300
	Algeciras	250
	Cartagena	250
	Castellon	200
	Las Palmas (Canary Islands)	200
	Teneriffe (Canary Islands)	200
Sweden	Brotjorden	350
	Goteborg	350
Turkey	Izmit	250

Table 184 (continued)

Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger, January 1982

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD (continued)		
United Kingdom	Liverpool	500
	Finnart	330
	Milford Haven	300
	Southhampton	300
	Coryton	280
	Humber River	210
United States	L.O.O.P.	700
	Riverhead, L.I.	225
West Germany	Wilhelmshafen	300
Other countries		
Bahamas	Freeport	500
	South Riding Point	440
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Conversion Factors

To Convert From	To	Multiply By
Acres	Hectares	0.4046856
Acres	Kilometers, square	0.004046856
Acres	Meters, square	4046.856
Centimeters	Meters	0.01
Centimeters, square	Meters, square	0.0001
Degrees, Fahrenheit	DDegrees, Celsius	subtract 32 and multiply by 5/9
Feet	Centimeters	30.48
Feet	Meters	0.3048
Feet	Kilometers	0.0003048
Feet, cubic	Liters	28.316847
Feet, cubic	Meters, cubic	0.028316847
Feet, square	Centimeters, square	929.0304
Feet, square	Meters, square	0.09290304
Gallons, US liquid	Liters	3.785412
Gallons, US liquid	Meters, cubic	0.003785412
Grams	Ounces, troy	0.032151
Grams	Pounds, troy	0.002679
Hectares	Kilometers, square	0.01
Hectares	Meters, square	10,000
Inches	Centimeters	2.54
Inches	Meters	0.0254
Inches, cubic	Milliliters	16.387064
Inches, cubic	Liters	0.016387064
Inches, cubic	Meters, cubic	0.000016387064
Inches, square	Centimeters, square	6.4516
Inches, square	Meters, square	0.00064516
Kilograms	Ounces, troy	32.15075
Kilograms	Pounds, troy	2.679229
Kilograms	Tons, metric	0.001
Kilometers, square	Hectares	100
Liters	Milliliters	1000
Liters	Meters, cubic	0.001
Meters	Millimeters	1000
Meters	Centimeters	100
Meters	Kilometers	0.001
Meters, cubic	Liters	1000

To Convert From	To	Multiply By
Meters, cubic	Tons, register	0.353147
Miles, nautical	Kilometers	1.852
Miles, statute	Centimeters	160934.4
Miles, statute	Meters	1609.344
Miles, statute	Kilometers	1.609344
Miles, square	Hectares	258.9998
Miles, square	Kilometers, square	2.589998
Ounces, avoirdupois	Grams	28.349523
Ounces, avoirdupois	Kilograms	0.028349523
Ounces, troy	Pounds, troy	0.083333
Ounces, troy	Grams	31.10348
Pints, liquid	Milliliters	473.176473
Pints, liquid	Liters	0.473176473
Pounds, avoirdupois	Grams	453.59237
Pounds, avoirdupois	Kilograms	0.45359237
Pounds, avoirdupois	Quintals	0.00453592
Pounds, avoirdupois	Tons, metric	0.000453592
Pounds, troy	Ounces, troy	12
Pounds, troy	Grams	373.241722
Quarts, dry	Liters	1.101221
Quarts, dry	Dekaliters	0.1101221
Quarts, liquid	Milliliters	946.352946
Quarts, liquid	Liters	0.946352946
Quintals	Tons, metric	0.1
Tons, long	Kilograms	1016.047
Tons, long	Tons, metric	1.016047
Tons, metric	Quintals	10
Ton-miles, long	Ton-kilometers, metric	1.635169
Ton-miles, short	Ton-kilometers, metric	1.459972
Tons, register	Meters, cubic	2.831685
Tons, short	Kilograms	907.185
Tons, short	Tons, metric	0.907185
Yards	Centimeters	91.44
Yards	Meters	0.9144
Yards, cubic	Liters	764.5549
Yards, cubic	Meters, cubic	0.7645549
Yards, square	Meters, square	0.836127